

STIC Database Tracking Number:

To: JAMIE KUCAB
Location: KNX5A69
Art Unit: 3600
Date: June 8, 2009
Case Serial Number: 10/690,012

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Search Notes

Dear Examiner KUCAB:

Please find attached the results of your search for the above-referenced case. The search was conducted in Dialog, the Internet and EBSCO HOST.

I have listed *potential* references of interest in the first part of the search results. However, please be sure to scan through the entire report. There may be additional references that you might find useful.

If you have any questions about the search, or need a refocus, please do not hesitate to contact me.

Thank you for using the EIC, and we look forward to your next search!

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I. Potential References of Interest

A. Dialog

22/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2: INSPEC

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07919233

Title: Secure PC-franking for everyone

Author(s): Bleumer, G.

Author Affiliation: Francotyp-Postalia, Birkenwerder, Germany

Book Title: Electronic Commerce and Web Technologies. First International Conference, EC-Web 2000. Proceedings (Lecture Notes in Computer Science Vol.1875)

Inclusive Page Numbers: 94-109

Publisher: Springer-Verlag, Berlin

Country of Publication: Germany

Publication Date: 2000

Conference Title: Electronic Commerce and Web Technologies. First International Conference, EC-Web 2000

Conference Date: 4-6 Sept. 2000

Conference Location: London, UK

Editor(s): Bauknecht, K.; Madria, S.K.; Pernul, G.

ISBN: 3 540 67981 2

Number of Pages: xii+488

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 2001-018

Copyright: 2001, IEE

Author(s): Bleumer, G.

Identifiers: PC franking systems; postage value; envelopes; mailing labels; desktop printers; IBIP program; postal services; 2D bar codes; mail delivery system; tamper responsive postal security device; data privacy; indicia; offline electronic cash; elliptic curves; blind signature

23/3,K/12 (Item 8 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0010769251 *Drawing available*
WPI Acc no: 2001-383629/200141
XRPX Acc No: N2001-281522

Franking method involves using distinguishable individual date stamps with electronic payments to enable checking for multiple uses of electronic payments and/or date stamps

Patent Assignee: BLEUMER G (BLEU-I); FRANCOTYP-POSTALIA & CO AG (FRAN-N);
FRANCOTYP-POSTALIA GMBH (FRAN-N); FRANCOTYP-POSTALIA&CO AG (FRAN-N)
Inventor: **BLEUMER G**

Patent Family (6 patents, 26 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1107190	A1	20010613	EP 2000118472	A	20000825	200141	B
DE 19958721	A1	20010712	DE 19958721	A	19991206	200147	E
US 20020035547	A1	20020321	US 2000728741	A	20001201	200224	E
EP 1107190	B1	20060215	EP 2000118472	A	20000825	200614	E
DE 50012218	G	20060420	DE 50012218	A	20000825	200629	E
			EP 2000118472	A	20000825		
US 7496538	B2	20090224	US 2000728741	A	20001201	200918	E

Priority Applications (no., kind, date): DE 19958721 A 19991206; EP 2000118472 A 20000825

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 1107190	A1	DE	18	7		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
EP 1107190	B1	DE				
Regional Designated States,Original	CH DE FR GB IT LI					
DE 50012218	G	DE			Application	EP 2000118472
					Based on OPI patent	EP 1107190

...**Original Titles:**Method and machine for **franking**Method and machine for **franking** ...
...**Franking** method and **apparatus** **Franking** method and **apparatus** Inventor: **BLEUMER G**
Alerting Abstract ...**NOVELTY** - The method involves storing postal charges in a **franking machine** in the form of postal charge units and applying a machine-readable date stamp containing a distinguishable electronic payment to the postal item that is... **DESCRIPTION** - **INDEPENDENT CLAIMS** are also included for the following: a system for implementing the method and a **franking machine**. **Class Codes** International Patent Classification IPC Class Level Scope Position Status
Version Date ...**G06F-0017/60** Original Publication Data by AuthorityArgentina**Publication No.**
Inventor name & address:**Bleumer, Gerrit, 16727 Velten, DE...** ...**BLEUMER G...** ...**Bleumer,**

Gerrit... ..Bleumer, Gerrit... ..Bleumer, Gerrit... ..Bleumer, Gerrit ...Original Abstracts:In a method and system and **franking apparatus** for **franking** postal matter and for inspection of the franking, postage fees are stored and debited in electronic form, and a fee stamp and a machine-readable... .. In a method and system and **franking apparatus** for **franking** postal matter and for inspection of the franking, postage fees are stored and debited in electronic form, and a fee stamp and a machine-readable... ..**Claims:**A process for the **machine franking** of mail matter (8) and for checking the franking, postal charges being stored in electronic form in a **franking machine** as postal-charge units, and a machine-readable encrypted date mark containing an electronic coin being applied onto the mail item (8), an individual electronic coin being generated by the **franking machine** for each item of mail, said coin being capable of being distinguished from the electronic coins generated for other items of mail, and a check... .. I claim as my invention: 1. A method for **franking** postal matter in a **franking apparatus** and for inspecting the **franking**, comprising the steps of: electronically storing postage fee units as electronic coins, and debiting said electronic coins as said postage fee units are consumed; individualizing... .. I claim as my invention: 1. A system for **franking** postal matter with a **franking apparatus** and for inspecting the **franking** comprising: a **franking apparatus** that **franks** postal matter, having a printing unit a machine-readable date stamp onto items of postal matter, a central unit containing a fee module, storing and protocol with said **franking apparatus** that makes postage fee units electronically available to said **franking apparatus** as electronic coins each having unique coin identification information embodied therein, said electronic coins being entered in said communication protocol into said fee module of... .. unique coin identification information by said printing unit, to individualize the date stamp compared to other date stamps; and an inspection unit remote from said **franking apparatus** that inspects said items, including a memory that stores respective date stamps on successively inspected items of postal matter, by comparing the unique coin identification...

17/3,K/4 (Item 3 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0010982579 *Drawing available*
WPI Acc no: 2001-607082/200169
XRPX Acc No: N2001-453185

Authenticating mail-pieces utilizing cryptographically secure or plain text indicia printed onto a mail-piece as evidence of postage payment

Patent Assignee: US POSTAL SERVICE (USPO-N)

Inventor: GORDON R A; GORDON R R; LORD D J; WILKERSON W A

Patent Family (3 patents, 92 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2001043053	A2	20010614	WO 2000US42195	A	20001116	200169	B
AU 200145068	A	20010618	AU 200145068	A	20001116	200169	E
US 6527178	B1	20030304	US 1999165810	P	19991116	200320	E
			US 2000714846	A	20001116		

Priority Applications (no., kind, date): US 1999165810 P 19991116; US 2000714846 A 20001116

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 2001043053	A2	EN	30	8		
National Designated States,Original	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200145068	A	EN			Based on OPI patent	WO 2001043053
US 6527178	B1	EN			Related to Provisional	US 1999165810

Alerting Abstract ...indicia on the mail-piece and depositing the mail-piece into the system for delivery. The indicia are preferably a data file or structure with **plural** data fields and a **digital signature** created using a private key held by the postal authority.

19/3,K/5 (Item 2 from file: 2)

DIALOG(R)File 2: INSPEC

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07919233

Title: Secure PC-franking for everyone

Author(s): Bleumer, G.

Author Affiliation: Francotyp-Postalia, Birkenwerder, Germany

Book Title: Electronic Commerce and Web Technologies. First International Conference, EC-Web 2000. Proceedings (Lecture Notes in Computer Science Vol.1875)

Inclusive Page Numbers: 94-109

Publisher: Springer-Verlag, Berlin

Country of Publication: Germany

Publication Date: 2000

Conference Title: Electronic Commerce and Web Technologies. First International Conference, EC-Web 2000

Conference Date: 4-6 Sept. 2000

Conference Location: London, UK

Editor(s): Bauknecht, K.; Madria, S.K.; Pernul, G.

ISBN: 3 540 67981 2

Number of Pages: xii+488

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 2001-018

Copyright: 2001, IEE

Identifiers: PC franking systems; postage value; envelopes; mailing labels; desktop printers; IBIP program; postal services; 2D bar codes; mail delivery system; tamper responsive **postal security device**; data privacy; indicia; offline electronic cash; elliptic curves; blind signature

Dialog eLink:

USPTO Full Text Retrieval Options

19/3,K/4 (Item 1 from file: 2)

DIALOG(R)File 2: INSPEC

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08082988

Title: Cryptographic postage stamping

Author(s): Kruger-Gebhard, H.

Author Affiliation: Rohde & Schwarz, Munchen, Germany

Journal: ComTec , vol.79 , no.9 , pp.38-40

Publisher: Swisscom AG

Country of Publication: Switzerland

Publication Date: 2001

ISSN: 1420-3715

SICI: 1420-3715(2001)79:9L:38:CPS;1-Z

CODEN: COMTF6

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 2001-044

Copyright: 2001, IEE

Identifiers: public key **cryptography**; strong authentication; digital information; **indiciu** forging; **postage meter** abuse; electronic signatures; **cryptographic** postage stamping

21/3,K/2 (Item 1 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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06213772 34754091

Cylink builds PKI for USPS secure postage

O'Hara, Colleen

Federal Computer Week v12n28 pp: 54, 60

Aug 17, 1998

ISSN: 0893-052X **Journal Code:** FCWK

Word Count: 599

Text:

...Internet Postage software, which was announced in April, actually generate the stamp that is printed on an envelope. The stamp includes a 2-D bar code, called an information-based **indicia**, which contains the **postage**, a date stamp, destination and tracking data, and a digital **signature** that makes the indicia difficult to counterfeit.

The PKI developed by Cylink for the IBIP program will use digital signatures to authenticate the postage device...

II. Inventor Search Results from Dialog

Dialog eLink: [Order File History](#)

23/3,K/1 (Item 1 from file: 324)

DIALOG(R)File 324: GERMAN PATENTS FULLTEXT

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0004271356

Testsystem fur ein Benutzerendgerät und Testautomatisierungsverfahren

Test system for a user terminal and a test automation procedure

Patent Applicant/Assignee:

Francotyp-Postalia GmbH 16547 Birkenwerder, DE,,

Inventor(s):

Schwarz Stefan, 10551 Berlin, DE,,

Bleumer Gerrit, Dr., 16552 Schildow, DE,,

Publication & Filing Information

	Serial Number	Kind	Date
Publication	DE 102005038151	B3	20070208
Application	DE 102005038151		20050812

Priority application(s): DE 102005038151 20050812

Publication Language: German ; Application Language: German

Fulltext Word Count (English): 10112

Fulltext Word Count (German) : 8131

Fulltext Word Count (Both) : 18243 Inventor(s): ...**Bleumer Gerrit, Class Codes** International Patent Classification IPC Level Value Position Status Version Date Action Date Source Office Original**G06F-0011/22... ..G06F-0009/445** CurrentFulltext Availability: Description (English machine

translation)**Description** (English machine translation)...requirement 1 and in accordance with test automation procedures the generic term of the requirement 23. The invention is used with automated testing a nddiagnosis of **franking machines** and reservation or post offi ce processing devices or other user terminals. State of the art As a **franking machine** for small post office arising already t he T1000-Trend of the Herstellerin Francotyp Postalia is participation AG w ell-known, which is connectable over an interface cable an external service computer. The **franking machine** has a firmly arranged thermal transfer printing head for printing a frankingcasting and an external stan dard interface inside a safety housing forthe connection of a postage balan ce, a service computer of the type SC03 or other peripheral devices. The se rvce computer is used only for the selection and documenting **machine** parameters by in seriesmanufactured **franking machines**, but makes no data input via the standard interface. Another well-known **franking machine** of the type Jetmail(R) of the Herstellerin Francotyp Postalia participation AG isintended for office s with middle to high post office arising and can be likewise connected wit h a service computer, which makes an electrical line connection with the **franking machine**, which if necessary register contents and mach ine parameter spends over interface cables. From the EP 675,463 B1 a **franking machine** of the company SECA P is well-known, which exhibits a serial interface, over which display data totally or partly constantly after is externally made available...

...an additionally mountable LCD indicator plant. It is favourable that for it no inserted personal computer is needed. From the EP 493,948 B1 a **franking machine** of the company NEOP OST is well-known, which with a computer and/or workstation is connected for entering franking data. For the bare enterprise it is however very complex, if such an expensive equipment is needed additionally for the **franking machine**. Already in US 4,525,786 is described a **franking machine** of the company Pitney Bowes, in which a program fragment is stored, which ensures that the critical settlement dates stored in the non volatile memory are set by a microprocessor of the **franking machine** during a last manufacture phase to pre-defined values however at the same time by means of a check bit prevented that this can happen several times, after the serial number of the **franking machine** was entered. For the input serves an external terminal, which is connectable to an external **franking machine interface** over a data cable. From that US 4,825,786 is well-known a **franking machine** of the company Pitney Bowes, which can be initialized and configured in the factory and in the field by means of an external program control over a **franking machine interface**. For testing the **franking machine** does not need to be taken apart. From the DE 100 36 623 A1 already the connection of a personal computer, a laptop and/or a Notebook PC is well-known to a **franking machine** of the type (R) Jetmail, in order to initialize the **franking machine**. An initialization takes place only after successful identification of the personal computer, laptop and/or Notebook PC's, whereby an authorizing of the initialization takes place by means of an authorizing means, for example by means of a FP Card, which is put into the smart card reader of the **franking machine**. The initialization covers also an input of the date of the battery of a safety module of the **franking machine**, a telephone number of the Teleportodatenzentrum of the regulation country and a postage call-off number PAN, as well as including the Teleportodatenzentrums a loading of keys for an asset reloading into the safety module. However no testing of in series manufactured **franking machines** with the aforementioned means is intended. From US 4,639,918 an automatic self check of a **franking machine** is well-known, whereby the user of a **franking machine** can stop a test mode and their keyboard used to select by input of a code a test routine from a multiplicity of possible test routines so that then the **franking machine** processes the selected test routine and a diagnostic test can be performed. It participates unfavorably that a selection and documenting diagnostic test data can take place only visually and manually. These diagnostic test data are picked out with a repair or a regular examination of the **franking machine** by the service technician, selected still automatically thus neither with the standard production of **franking machines**. According to DE 103 03 720 B4 a test system for medical plants is suggested, which works with test data files for controlled transmission packets... ..is generally well-known automatically to test user terminals with the production by last selected user terminals in the operating mode one are subjected, but **franking machines** are subjected to very high requirements and need therefore a special permission. With the development of **franking machines** so far a DEBUG version and a release version before the standard production of **franking machines** were produced. For error correction the DEBUG version differs from the release version by planning from additional hardware, measuring points and interfaces to the connection from measuring and analyzers. A release version of the **franking machine** will hand over to the postbehoerde. Before the standard production of **franking machines** their permission is by the postbehoerde or necessary by nationally an institution assigned in addition. The postbehoerde makes either even numerous tests at the **franking machine** or assigns an independent test laboratory. Naturally the DEBUG version already permits a testing of at least individual components and/or building groups of the **franking machine**, however only by planning from additional hardware, to a **franking machine** measuring points and interfaces to the connection of measuring and analyzers. These additional means must be removed for the production of

a release version of the **franking machine**, since otherwise the **franking machine** of third would be manipulated in falsification intention. For a manipulatable version of the **franking machine** no permission will naturally assign. Unfavorable it is now that the DEBUG version exhibits a different time performance in relation to the release version of a **franking machine**. In modern **franking machines** current processors with very high clock rates are operated, which make a very high speed of operation and thus modern a cryptography only possible at all. A different time performance in relation to the DEBUG version can affect itself therefore to an error and therefore the permission of the **franking machine** would be refused. < B>Franking machines are because of the very high requirements particularly concerned, however there are constantly new standards to consider also for other user terminals and to attain... ..shop of a release often commodity. A user terminal possesses at the same time a set of expenditure interfaces and actuators. In the case of **franking machines** these possess a display and a printing element, in order to produce for franking casting, as well as engines or electromagnets as electromechanical actuators. Additionally... ..1a, first variant of the test system with interwiring, 1b, second variant of the test system with slack communication connection, 2, perspective opinion of a **franking machine** and a service computer, a, block diagram of a test system with a user terminal and with test automation equipment, 3b, perspective opinion of an opened **franking machine** and the test automation equipment, 4, perspective opinion of a **franking machine** with closed housing from the front, right and above, 5, schematic representation of a keyboard field, 6, simplified keyboard connection diagram, 7, clock production plan... ..and in each case with a Transceiver 43 and/or. 31 is equipped, which are kommunikativ connected via communication channel 33. A perspective opinion of a **franking machine** of the type optimal 30 the Herstellerin Francotyp Postalia(R) participation AG and a computer 10, which have a data cable interfaces and are kommunikativ connected via 8 with one another, shows the 2. The **franking machine** 1 is of the back 5, left side 4 to the lower shell and top side 6 of an overhead panel 2 represented. On the left side 4 of the lower shell is a switch 41, with which the **franking machine** can be switched on. On the top side 6 an indicator plant 61 and an input mechanism 62 are arranged. A letter supply takes place at the front 7 of the **franking machine** 1 from the left side 4 to the right page 3. It is intended that the overhead panel 2 over the lower shell of the **franking machine** housing is removably arranged. The overhead panel 2 of the **franking machine** housing is removable only by an authorized person, for example a service technician. A first opening 25 at the back 5 supplies an entrance to... ..respective opening for the entrance to a serial interface can be also in another way not shown in any of the two housing bowls of the **franking machine** housing arranged. The serial interface and the serial interface of the computer 10 accessible over the first opening 25 of the **franking machine** housing are thereby of the same type. A block diagram of a test system with a user terminal and with test automation equipment shows... ..the base and/or a keyboard plug socket on the Main board or in a housing hollow remains connected. The switch 41, with which the **franking machine** can be switched on, is connected with a power pack on the power pack printed circuit board 18, which feeds the motherboard 15 and the... ..as test input interface and connected kommunikativ with the external interface 52 of the user terminal 1. The user terminal 1 is for example a **franking machine** of the type optimal 30(R). The **franking machine** is equipped with an internal interface 53, at which in a way shown in the test mode a data cable 13 of the test... ..component. The FPGA component makes clock pulses available for the input mechanism 62 and processes the received input signals. In the remark example of a **franking machine** of the type optimal 30(R) the input mechanism 62 is a key board with an attached data cable 63 and a solvable connection at the Main board 50. Alternatively or additionally a solvable connection at the key board can be intended. With a **franking machine** of the type Jetmail(R) exists in the meter lower part near the key board a housing hollow for a solvable patch cord. With a key board... ..and to the expenditure for test used first interfaces of the

test automation equipment to be attached. The 3b shows a perspective opinion of an opened franking machine 1 and the test automation equipment 10. Both devices are represented from the front, right and above. The franking machine 1 is operable in the normal enterprise with a stick-on input mechanism 62 installed in an upper housing bowl 2, which is here however removed. The franking machine 1 is headed for operable by the test automation equipment over a stick-onable data cable 13 in the test operation, which is designed as flat cables here. The franking machine 1 is opened and does not exhibit in the lower shell a visible chassis, on which a baseplate 27 of the printing element close of the front 7 and a power pack printed circuit board 48 close of the back 5 of the franking machine 1 are standing arranged. Between the baseplate 27 and the power pack printed circuit board 48 the main printed circuit board (Main board) is arranged 50. At the right page 3 of the franking machine 1 the smart card write/read unit 59 located on the Main board 50 is. On the side of the Main board 50 turned to the overhead panel 2 of the franking machine housing the internal interface 53 and an associated multipolar socket contact 531 are arranged, into which a plug 131 of the flat cable 13 is put... internal interface 53. A data cable 8 implemented as round cables is connected with the serial interface 52 of the Main board 50 of the franking machine 1 by the entrance in the first opening on the back 5 of the franking machine 1. Here appropriate commercial plug connectors are used in a well-known way or others in their effect same transmission means. The data cable 8 is... the test automation equipment 10 such as Bluetooth communication or other wireless means of communication than Schnittstellen to the input to have. A perspective opinion of a franking machine of the type optimal 30 with closed housing (R) from the front shows the 4, right and above. From the lower shell of the franking... are covered. And the removal takes place on the front 7 from the left side 4 and to the right page 3 of the franking machine 1. On the housing lower shell the housing overhead panel 2 is installed. Here a display 61 and a keyboard serving as input mechanism 62 are visible on the top side 6 of the franking machine. For ergonomic reasons input modes remain unused, which would be offered with another organization of the keyboard field. The place on the key mat is... minutes run off on basis of digital signatures, whereby the messages are coded in key sequences. This kind of the identification is favourable, if the franking machine already inserted a test code for a digital signature system. The sequences of unused keys can be defined in such a way that cryptographic challenge... Description (German)

Dialog Link: [Order File History](#)

23/3,K/2 (Item 2 from file: 324)

DIALOG(R)File 324: GERMAN PATENTS FULLTEXT

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0004161451

Verfahren und Anordnung zur Steuerung der Nutzung einer vom Postsystem bereitgestellten Dienstleistung zur Verfolgung und Überwachung von Postsendungen
Procedure and arrangement for the controlling of the use of a service made available by the post office system for the pursuit and monitoring of mails

Patent Applicant/Assignee:

Francotyp-Postalia AG & Co KG, 16547 Birkenwerder, DE

Inventor(s):

Bleumer Gerrit, Dr., 16552 Schildow, DE

Publication & Filing Information			
	Serial Number	Kind	Date
Publication	DE 102004014428	A1	20051013
Application	DE 102004014428		20040319

Priority application(s): DE 102004014428 20040319 (Original format: DE 102004014428)

Publication Language: German ; Application Language: German

Fulltext Word Count (English): 11323

Fulltext Word Count (German): 9290

Fulltext Word Count (Both): 20613 Inventor(s): **Bleumer Gerrit, Class Codes** International Patent Classification IPC Level Value Position Status Version Date Action Date Source Office **G06F-017/60**

Fulltext Availability: Description (English machine translation) Claims (English machine translation) Description (German) **Description** (English machine translation)...office markets, in which post office companies make information available about the transport of letters, packages. It is in particular for the use of service **devices, franking machines** and/or postal treatment **machines** or computers with post office processing function (PC Frankierer) or another suitable equipment being suitable, for the creation of an interface to an entitled one... ..option for separate shipments. This pull procedure is impractical, if larger quantities of mails are sent away, as it is usual with the enterprise of **franking machines**. A customer is difficult to communicate only some from the multiplicity of his by machine franked transmissions over a single inquiry by WWW (World... ..in order to accomplish a rendition. The technical format of the report depends on whether the report will transfer to a PC Frankierer, to a **franking machine** or to another post office processing machine. The expenditure in the service center and/or for the Dienstleister is high by the necessity for a... ..query transportation data to individual transmissions themselves now a post office customer can due to the application program, i.e. without separate user inquiry, of his **franking machine** or a suitable communication terminal collected PTI evaluated, prepared and indicated get. A post office customer has further the possibility of being marked certain transmissions... ..PTI then in the process of the transport and about their whereabouts is up-to-date informed, for example by reports by display of his **franking machine, by email or by SMS** by means of a portable radio telephone. The procedure for the controlling of the use of a service made available... ..basis the figures are more near represented in the unteranspruchten. Show: Fig. 1, franking casting according to DPAG requirements, Fig. 2, primary system with a franking machine for franking a Briefkuvertes with a print format of a post office carrier with imprinted additional information, Fig. 3, flow chart of the primary system after Fig... ..2D-Barcode) 17 for the verification of the normal payment of the transport fee of piece of post office. The Fig. a primary system with a franking machine points 2 to franking a Briefkuvertes with a print format of a post office carrier with imprinted additional information. Primary system consists of a franking machine 110 on the customer side and/or at the customer place 100, which is kommunikativ connected by a modem connection 140 with a data center 210 of the franking machine manufacturer at a distant second place 200. The data center 210 of the manufacturer again stands over a data link 250 with a post valley... ..which are used anyway for franking, i.e. planning a separate data field in one otherwise for other purposes used bar code. The controlling of the franking machine and/or equivalent equipment for the production of applicable mail identification data takes place in accordance with an application program. The franking machines apply SID's machine-readable as bar code, ocr, or the like on mails, so that the post valley Tracking system can error free read these and after admission... ..to its feed PTI provide and over the connection 250 to the manufacturer data center 210 supply can. In an alternative - not shown -

variant the franking machine is replaced, for example by another post office working on equipment to a so-called PC Frankierer. A PC equipped with a entsprechenden application program and modem is connected thereby with a commercial printer. In an alternative - not shown - variant the franking machine first service equipment is kommunikativ connected and with second service equipment, whereby the latter is intended for communication with a distant service server. The franking machine 110 and/or the PC Frankierer or the service equipment is equipped in addition with an application program and by data processing means trains favourably... notification over the reached condition during the execution of the order for mailing by a post office carrier at the disposal. The user of a franking machine 110 selects determined transmissions at the user interface before or transmissions which can be pursued during freeing as, by setting a Alert flag for these transmissions. This can take place in or several of the following modes of operation: A) in continuous operation sets a franking machine 110 in principle always a Alert flag for all kinds of transmission, for which the PTI can be made available by the pos valley Tracking system... for which the pos valley Tracking system PTI to make available can. Subsequently, the user a Alert sets flag for the whole pile, whereupon the franking machine sets 110 automatically a Alert flag for each transmission of the pile. C) in the interactive enterprise is queried over the user interface whether a service... possible time window or for a kind of transmission, for which no transmission pursuit information is callable, can be recognized and ignored automatically by the franking machine 110. Successful triggering of the TRACE key can be confirmed to the user by optical or acoustic signaling. The franking machine 110 impresses a transmission ID (short SID) to each transmission, for which a Alert flag was set. Transmission IDs are at least clear within one from the postbehoerde to time window which can be defined, in the post office market concerned (over all franking machines manufacturers and all franking machines) during this time window for at the most only one transmission are thus used. The SID can be part of the franking note or print separately and is preferably machine-readable. The SID can have been produced 1a) from the franking machine 110 or have been produced for 1b) from the manufacturer data center 210 and have been received from the franking machine 110. In both cases clarity can be guaranteed. In the first case by inclusion of a clear franking machine identification, in the second case by central alignment in the manufacturer data center 210. In both cases can be determined in the manufacturer data center 210 for each assigned SID clearly, by which franking machine 110 this was printed. In the case 1a) by one examines, which franking machine identification is contained of the SID in. In the case 1b) as the manufacturer data center 210 in a data base of a service server stores the information, to which franking machine 110 which SIDs was assigned. In a franking machine 110 optionally a condition (Alert condition) can be stored into a memory for each transmission, to which the data processing means respond and which defines conditions... that the user from a number of offered signaling conditions can select. In the second step B franking and producing data records take place. The franking machine 110 registers and stores for every transmission the selected SID the franking date, the franking time and the kind of transmission (writing, package, etc.), which can... manufacturer data center 210 can query the PTI as follows with the pos valley Tracking system: a) for blocks of all SIDs, in which the franking machine IDs occurs, which of the manufacturer concerned data center (210) to be supported (corresponds to case 1a of the step A) or 4b) individually for each... PTI from the service server takes place to the service equipment of the user. The manufacturer data center 210 sorts and stores the PTI after franking machine ID and loads each time, if a franking machine 110 with the manufacturer data center 210 kommuniziert, the appropriate PTI into the respective franking machine 110 down (increase in value!). Communication with a

franking machine 110 can be caused by a) the franking machine 110 with call of a distant service e.g. PVD (pos days VALUE Download), or 5b) by the franking machine 110 with explicit call of the PTI (mail transportation pursuit information), 5c) by the franking machine 110 implicitly each time, if a new block of SIDs of the manufacturer data center 210 is called up (corresponds only to case 1b von Schritt 1), 5c) by manufacturers the data center 210 time near, if a current PTI is present in each case. This option presupposes that the franking machine 110 can be called over its own telephone number. In each case a modem connection between manufacturer data center and franking machine 110, over which messages in manufacturer-specific or standardized minutes (e.g. SMS) can be conveyed, in order afterwards in the franking machine 110 or an attached peripheral device (e.g. a balance) consists to be brought to 210 to the announcement. In the sixth step F a data alignment and a signaling are intended by service equipment of the user. In the franking machine 110 now the dispatching data stored in the second step B (SIDs, franking date, franking time, kind of transmission) brought in connection with the PTI... ..conditions examined, whose Alert flag is still set, and in accordance with the respective Alert condition brought to the announcement. In an alternative version a franking machine is connected with an additional administration PC. In particular for the customer inputs in step A) or additional corrections as well as occasionally the necessary administration of the customer attitudes (e.g. manual resetting of Alert flag) optionally a personal computer with communication interface can be used to the franking machine, if this offers a simplified handling and more overview by more comfortable and more efficient input and indicator possibilities. The Fig. a flow chart shows... ..the controlling and use of a service for the pursuit and monitoring of mails, made available by the post office system, is preferably in a franking machine realized. The evaluation of the input takes place via data processing means, like for example via a control unit of the franking machine. In the step a2 the control unit of the franking machine registers an Alert flag input for the current transmission, favourably in a defined time interval before franking. The control unit of the franking machine generated then according to a step A3 a SID for the current transmission and compelled in accordance with a step A4 the casting of the... ..on the surface of the current transmission together and/or in the same work procedure with franking. In the step A5 the control unit of the franking machine produces a data record with the SID, with date and franking time. In the optional step A6 the control unit of the franking machine the data record adds the Default/Alert condition and/or the Alert method in accordance with an input or automatically. In the step A7 the control unit of the franking machine writes a new data record into a non volatile memory. With the execution variant described above existing Hardware and software means of a franking machine is used favourably on the one hand and the possibilities of the datenzentrale with the franking machine manufacturer on the other hand as well as the possibilities of the post office data center of the post office carrier. Cost and time-consuming PTI inquiry with the post office data center is automated and left to a server of the datenzentrale with the franking machine manufacturer, that sorts and for it waits the PTI according to franking machine frankiermaschinen-Seriennummern to download the data with occasional communication with the users into the franking machine i.e. without thereby the users are troubled. The routine contained in the application program runs off completely in the background. In that in the... ..primary system with on-line feedback is described. A larger attention of the user is reached, as the machine to applying the mail identification is a franking machine and the service equipment a separate communication terminal. Additionally an on-line interface 150 to the manufacturer data center 210 exists, so that the user... ..B Organizer 111, B Pager 112, B Telephone with answering set/language box 113, B PC with email function 114, B Mobile telephone 115, B Franking machine

110. Or several of these or other terminals can be directly at the physical interface 150 or over a gateway (not shown) attached, if the... for example with a server cluster a modem server 230 or a similar communications equipment, in order to be attainable for the modems of the franking machines over the telephone network 140, as well as a data base management system (DBMS) 240 to collect in order to prepare from the post valley... the fourth step D is extended by a transmission-referred evaluation for each service equipment. The transmission-referred evaluation for example for each sender and/or franking machine takes place in the basic procedure after Fig. 3 only in the sixth step F at the place 100 of franking in the service equipment and/or in the franking machine 110. In contrast to this this now already happens, in the fourth step D also in the manufacturer data center 210. E walked: In addition... PC with file transfer function The manufacturer data center 210 makes a listing available, which assistance file transfer of minutes (File Transfer Protocol) for each franking machine over the InterNet can be accessed. The listings can be designated in each case after the franking machines, whose PTI is to contain them later. Each franking machine is identifiable over a serial number. The PTI is prepared by the manufacturer data center 210 into a text/graphics file and put down in the appropriate... temporal intervals or if necessary of the manufacturer data center on its PC 114, with whose assistance the files can be read and/or printed out. Franking machine If the franking machine offers a serial or parallel interface 118 to a PC 114, then a PC 114 with email or file transfer function is used. After receipt of current PTI in the PC 114 this transfers the PTI over a communication interface 118 to the franking machine concerned 110, in order to bring it there to the announcement. Alternatively it is intended that the function of the communication terminal 111, 112, 113, 114, 115 into the service equipment 110 is integrated, which even already network connection and InterNet ability offer. Thus if a franking machine offers already network connection and InterNet ability, so that it is equipped via InterNet already with email or file transfer function, then the PC 114... and described by the direct connection 117 between franking machine and interface 150, whereby the latter is realized by the InterNet. On messages arrived again the franking machine can make additionally by an acoustic message attentive. F walked: remains unchanged in relation to the basic procedure. On the basis the Fig. 6 a primary... SAP) with the user, as similar to the way already described an on-line communication interface is used to the manufacturer data center 210. The franking machine 110 is connected by a communication interface 116 with a franking machine support personal computer 120, which possesses again an on-line communication interface 150 to the manufacturer data center 210. The franking machine support PC 120 has to do after nothing with the administration PC, which was suggested above in the preceding remark example (Fig. 2) as an... interface 125 to the order management system 130 of the user to its function. If both functions are desired, then it is intended that the franking machine support and administration functions on the same physical personal computer are present implemented. A walked: In this step the impact proceeds for setting Alert flag... processing installations the composition of transmissions, e.g. writing down with form and credit card, in envelopes and their supply can be steered into the franking machine 110 central by a computer, so that an integration is obvious into an order management of the customer. If such a post office processing installation is not available, then a franking machine can be integrated, as follows into an order management system. In step A the franking machine 110 in the batch processing works, so that for each transmission one of the user of prepared pile, a Alert flag is set. For the linkage of an order number with the associated transmission ID, which is used by the franking machine 110, we regard two equipment variants of the franking machine in the step B: With or without inserted scanner, which can read off suitably coded information

from an envelope. B walked: Additionally to the storage of the transmission-referred data the franking machine 110 conveys these transmission-referred data to the FM support PC, which passes it on to the order management system. T here they are linked with the appropriate order dates. Franking machine without scanner (conventional equipment) In the case of this equipment the user prepares a pile transmissions, whose dispatch he would like to pursue. He selects... ..package, etc.) is conveyed out in each case, to Alert flag and Alert Method, which was produced for the transmissions of the finished pile by the franking machine 110, by the franking machine 110 over the interface 116 to the FM support PC 120. The FM support PC continues to convey the list of the received data records to the management system, where they are assigned to the appropriate orders in accordance with their order. Franking machine with scanner (equipment extended) In the case of this equipment the user prepares likewise a pile transmissions, whose dispatch he would like to pursue. With the production... ..afterwards the data record from order number, SID, franking date, franking time, kind of transmission (writing, package, etc.), Alert flag and Alert Method in the franking machine 110. The data records are conveyed over the interface 116 to the FM support PC 120 and passed on from there over the interface 125... ..order the management system 130. The Uebermittlung can take place for each data record immediately or in collected form, whereby several data records in the franking machine 110 and/or in the FM support PC are collected and afterwards packetwise is conveyed to order the management system. C walked: remains unchanged in relation to the basic procedure. D walked: remains unchanged. E walked: In alteration of the basic procedure here not the franking machine 110 receives the PTI, but the FM support PC, as it is given by the Alert Method. Technically this can take place by means of... ..concerning the retarded transport of piece of post office takes place. In an execution variant it is intended that the service equipment 110 is a franking machine and that the data processing means include a control unit of the franking machine. The franking machine exhibits a first selection means, which serves for the selection of printing a section of the print format, which contains the mail identification. The first... ..section 15 is printed to a second position. In an alternative execution variant it is intended that the machine to applying the mail identification a franking machine and that the service equipment a separate communication terminal is. In a further alternative execution variant it is intended that the service equipment is a personal... ..means include a control unit of the personal computer. The personal computer 120 is on the one hand by a first interface 116 with a franking machine 110 and on the other hand by a second interface 125 with an order management system 130 is communication-moderately connected, whereby the personal computer 120 exhibits a franking machine support function. That is not to be excluded also the variant that franking machine support and administration functions on the same physical personal computer are present implemented. In the Fig. 7 was represented control members of service equipment, their... ..30 and a non volatile memory 20 are operationally connected with the data processing means 2 and the user interface 4. As previously mentioned, a < B> franking machine is equipped with a such arrangement at control members for example, whose user interface consists of the components display 10 and the input 40. At... ..for individual mails a Alert flag. In the following some remark examples are indicated: B Separate physical key integrates into the key field of the franking machine, B Separate virtual key integrates into a Touchscreen, B Key for abbreviated dialing, B Separate Touchpad or physical key in spatial proximity to the letter... ..processing of mail transportation pursuit information (PTI) second control 42 are intended. By such and others - not mentioned - control elements a Iso a selection switch 119 for franking machines 110 can be realized, that in Fig. 5 represented is only symbolic. The volatile memory serves for the temporary data processing during the letter

processing or PTI evaluation. The data processing means 2 are connected to a Beeper with a signal element 80, for example. In addition the franking machine a communication interface has 30, with that it a connection to the manufacturer data center 210 to construct can or a connection to a FM... ..final customers: In an execution variant of the type Y1) with call forwarding the franking machine is informed by the data center, as soon as the franking machine made a modem connection to the data center. The franking machine is attached (i) over a serial cable or a local network to one or more PC's and signals the feedback information over these PC(s). The franking machine leads the call over its modem interface on-line or time-delayed far to another terminal according to option of the customer, which has a telephone connection. This variant is technically seen more near because of the execution variants to Fig. 2, because the connection between data center and the franking machine of FM is initiated also here by the user. In another execution variant of the type Y2) a change-over software is in the data center... ..represents the PTI and/or feedback information either even, and/or passes it on to from the customer in advance selected terminal. As for example: Franking machine or Organizer, which is attached over a serial cable or a local network, other terminals with telephone connection and can by the modem of the... Description (German) Claims (English machine translation)... upon time window a Nichtempfangen of a PTI is determined. 24. Arrangement, according to requirement 22, by the fact characterized that the service equipment is a franking machine (110), whose control unit the data processing means (2) include and which are connected with printer means. 25. Arrangement, according to requirement 24, by it... ..15) is printed to a second position. 27. Arrangement, according to requirement 21, by the fact characterized that the machine to applying the mail identification a franking machine and that the service equipment a separate communication terminal is. 28. Arrangement, according to requirement 22, by the fact characterized that the service equipment is a... ..to requirement 28, by the fact characterized that on the one hand the personal computer (120) is communication-moderately connected by a first interface (116) with a franking machine (110) and on the other hand by a second interface (125) with an order management system (130), whereby the personal computer (120) exhibits a franking machine support function. 30. Arrangement, according to requirement 28, by the fact characterized that franking machine support and administration functions on the same physical personal computer are present implemented. 31. Arrangement, according to requirement 21, by the fact characterized that the machine to applying the mail identification a franking machine and that the service equipment a personal computer is that the franking machine transfers a received current PTI over a communication interface (118) to the personal computer, which has a Bildschirm, over it to the announcement to bring and... Claims (German)

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23/3K/3 (Item 1 from file: 348)

DIALOG(R) File 348: EUROPEAN PATENTS

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02540814

Method for authenticated transfer of a personalised database or program to a hardware security module, in particular a franking machine

Verfahren zur authentisierten Übermittlung eines personalisierten Datensatzes oder Programms an ein Hardware-Sicherheitsmodul, insbesondere einer Frankiermaschine

Procédé de transmission authentifiée d'un ensemble de données ou d'un programme personnalisé vers un module de sécurité matériel, en particulier une affranchisseuse
 Method for authenticated transfer of a personalised database or program to a hardware security module, in particular a **franking machine**

Patent Assignee:

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 JUNGBLUT & SEUSS Patentanwälte Max-Dohrn-Strasse 10; 10589 Berlin; (DE)

	Country	Number	Kind	Date	
Patent	EP	1967976	A2	20080910	(Basic)
Application	EP	2008075093		20080206	
Priorities	DE	102007011309		20070306	

Designated States:

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
 FI; FR; GB; GR; HR; HU; IE; IS; IT; LI;
 LT; LU; LV; MC; MT; NL; NO; PL; PT; RO;
 SE; SI; SK; TR;

Extended Designated States:

AL; BA; MK; RS;

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0021/00	A	I	F	B	20060101	20080616	H	EP
G06F-0021/20	A	I	L	B	20060101	20080616	H	EP
G06F-0021/00	A	I	F	B	20060101	20080616	H	EP... ..G06F-

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
								0021/20

Abstract Word Count: 49

NOTE: 1

NOTE: Figure number on first page: 1

Legal Status	Type	Pub. Date	Kind	Text
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Language Publication: German

Procedural: German

Application: German

Fulltext Availability	Available Text	Language	Update	Word Count
CLAIMS A		(German)	200837	1529
SPEC A		(German)	200837	4134
Total Word Count (Document A) 5663				
Total Word Count (Document B) 0				
Total Word Count (All Documents) 5663				

Dialog eLink: [Order File History](#)

23/3K/4 (Item 2 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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02267621

Method and apparatus providing security relevant services by a security module of a franking machine

Verfahren und Anordnung zum Bereitstellen sicherheitsrelevanter Dienste durch ein Sicherheitsmodul einer Frankiermaschine

Procédé et dispositif pour fournir des services liés à la sécurité par un module de sécurité d'une machine d'affranchissement

Method and apparatus providing security relevant services by a security module of a **franking machine**

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Patent- und Rechtsanwälte Bleichstrasse 14; 40211 Dusseldorf; (DE)

	Country	Number	Kind	Date	
Patent	EP	1801724	A2	20070627	(Basic)
	EP	1801724	A3	20080709	
Application	EP	2006126878		20061221	
Priorities	DE	102005061686		20051221	

Designated States:

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; HU; IE; IS; IT; LI; LT;
LU; LV; MC; NL; PL; PT; RO; SE; SI; SK;
TR;

Extended Designated States:

AL; BA; HR; MK; RS;

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0021/00	A	I	F	B	20060101	20070510	H	EP
G07B-0017/04	A	N	L	B	20060101	20080602	H	EP
G06F-0021/00	A	I	F	B	20060101	20070510	H	EP...

Abstract Word Count: 94

NOTE: 2

NOTE: Figure number on first page: 2

Legal Status Type	Pub. Date	Kind	Text
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Language Publication: German

Procedural: German

Application: German

Fulltext Availability Available Text	Language	Update	Word Count
CLAIMS A	(German)	200726	2065

Fulltext Availability	Available Text	Language	Update	Word Count
SPEC A		(German)	200726	6308
Total Word Count (Document A) 8375				
Total Word Count (Document B) 0				
Total Word Count (All Documents) 8375				

Dialog eLink: [Order File History](#)

23/3,K/5 (Item 1 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0018152129 *Drawing available*

WPI Acc no: 2008-K72457/200864

XRPX Acc No: N2008-785580

Method for authenticate transmission of data record or program of host on hardware security module, involves determining three hardware security module-individual fixed codes at system production site

Patent Assignee: FRANCOTYP-POSTALIA GMBH (FRAN-N); BLEUMER G (BLEU-I)

Inventor: **BLEUMER G**

Patent Family (5 patents, 40 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 102007011309	A1	20080911	DE 102007011309	A	20070306	200864	B
CA 2623556	A1	20080906	CA 2623556	A	20080228	200864	E
EP 1967976	A2	20080910	EP 200875093	A	20080206	200864	E
US 20080271144	A1	20081030	US 200834768	A	20080221	200874	E
DE 102007011309	B4	20081120	DE 102007011309	A	20070306	200879	E

Priority Applications (no., kind, date): DE 102007011309 A 20070306

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
DE 102007011309	A1	DE	15	2	
CA 2623556	A1	EN			
EP 1967976	A2	DE			
Regional Designated States, Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR				

...**Original Titles:**Method for authenticated transfer of a personalised database or program to a hardware security module, in particular a **franking machine**METHOD FOR THE AUTHENTICATED TRANSMISSION OF A PERSONALIZED DATA SET OR PROGRAM TO A HARDWARE SECURITY MODULE IN PARTICULAR OF A **FRANKING MACHINE** Inventor: **BLEUMER G** Class Codes International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0021/00...** ...**G06F-0021/20...** ...**G06F-0021/24 G06F-0021/00...** Original Publication Data by AuthorityArgentinaPublication No. Inventor name & address:**BLEUMER G...**...**Bleumer, Gerrit, Dr., 16552 Schildow, DE...** ...**Bleumer, Gerrit, Dr., 16552 Schildow, DE...** ...**Bleumer, Gerrit...** ...**Bleumer, Gerrit** ...**Original Abstracts:**In a method and arrangement for authenticated transmission of a personalized data set or program to a hardware security module in a **device** such as a **franking machine**, a system manufacturer buys security modules, from a security module manufacturer and incorporate the security modules at a production site in the device and loads...

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23/3,K/6 (Item 2 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0016859897 *Drawing available*

WPI Acc no: 2007-574957/200756

XRPX Acc No: N2007-443818

Security relevant service e.g. generation of digital certificate, providing method for franking machine, involves requesting security relevant service from module by application, where module verifies authorization for request of service

Patent Assignee: BLEUMER G (BLEU-I); FRANCO TYP-POSTALIA GMBH (FRAN-N); HEINRICH C (HEIN-I)

Inventor: **BLEUMER G; HEINRICH C**

Patent Family (4 patents, 38 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1801724	A2	20070627	EP 2006126878	A	20061221	200756	B
DE 102005061686	A1	20070628	DE 102005061686	A	20051221	200756	E
US 20070156605	A1	20070705	US 2006642122	A	20061220	200756	E
EP 1801724	A3	20080709				200847	E

Priority Applications (no., kind, date): DE 102005061686 A 20051221

EP 1801724	A3	DE Patent Details	
Regional Designated States, Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR	Regional Designated States, Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR

Security relevant service e.g. generation of digital certificate, providing method for franking machine, involves requesting security relevant service from module by application, where module verifies authorization for request of service ...**Original Titles:**Method and apparatus providing security relevant services by a security module of a **franking machine**Method and arrangement for provision of security relevant services via a security module of a **franking machine** Inventor: **BLEUMER G...** **Alerting Abstract** ...**NOVELTY** - The method involves providing a data processing device for performing data processing, where the **device** is connected with a **franking machine**. A security relevant service is requested from a security module of the machine by an application, and the security module provides the service. The security... .. an arrangement for data processing a **franking machine** for the arrangement for data processing a data processing device for the arrangement for data processing an application for processing of data... .. code word, cryptographic code and digital signature, and protection of data against unauthorized access, unauthorized searching and unrecognized manipulation, by a security module of a **franking machine** for an application for data processing... .. for the request of the service by the application, thus enabling better utilization of safety regulations, and providing an economic postal security module for the **franking machine**.**Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0017/00**... ..**G06F-0021/00** **G06F-0017/00**... ..**G06F-0021/00**... ..**G06F-0021/00** Original Publication Data by AuthorityArgentina**Publication No.** Inventor name & address:**Bleumer, Gerrit, Dr., 16552 Schildow, DE**... ..**Bleumer, Gerrit**... ..**Bleumer, Gerrit** ..**Original Abstracts:**In a method and an arrangement for provision of at least one secured service via a security module of a **franking machine** for at least one procedure for data processing that is executed in a data processing device that can be connected with the **franking machine**, the procedure requests a secured first service from the security module in a request step; and the security module provides the first service in a... ..**Claims:**We claim as our invention:1. A method for providing at least one secured service via a security module of a **franking machine** for at least one procedure for data processing that is executed in a data processing **device** associated with the **franking machine**, comprising the steps of:in a request step, requesting, from the procedure, a secured service from the security module;in a verification step, verifying, in...

Dialog eLink: Order File History

23/3,K/7 (Item 3 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0016409892 *Drawing available*

WPI Acc no: 2007-126064/200713

XRPX Acc No: N2007-088934

End-user terminal e.g. franking machine, test system, has central processing unit connected with special interface by which test input signals which are simulated in test case are transmitted to internal interface of end-user terminal

Patent Assignee: FRANCO TYP-POSTALIA GMBH (FRAN-N)

Inventor: **BLEUMER G; SCHWARZ S**

Patent Family (4 patents, 38 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 102005038151	B3	20070208	DE 102005038151	A	20050812	200713	B
EP 1752876	A2	20070214	EP 200676467	A	20060721	200715	E
US 20070038583	A1	20070215	US 2006485120	A	20060712	200715	E
EP 1752876	A3	20080716	EP 200676467	A	20060721	200849	E

Priority Applications (no., kind, date): DE 102005038151 A 20050812

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
DE 102005038151	B3	DE	21	9	
EP 1752876	A2	DE			
Regional Designated States,Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU				
EP 1752876	A3	DE			
Regional Designated States,Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO RS SE SI SK TR				

End-user terminal e.g. franking machine, test system, has central processing unit connected with special interface by which test input signals which are simulated in test case are transmitted to internal ... Inventor: **BLEUMER G... Alerting Abstract ...** USE - Used for an end-user terminal (claimed) e.g. **franking machine** of the type **Jetmail** (RTM: Not defined), booking or post processing device for post mail... **Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0011/22... ..G06F-0011/263... ..G06F-0017/00... ..G06F-0009/445 G06F-0011/22... ..G06F-0011/263... ..G06F-0017/00... ..G06F-0009/445** Original Publication Data by Authority **Argentina** Publication No. Inventor name & address: **Bleumer, Gerrit, Dr., 16552 Schildow, DE... ..Bleumer, Gerrit, Dr... ..Bleumer, Gerrit**

Dialog eLink: [Order File History](#)

23/3,K/8 (Item 4 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0015523616 *Drawing available*

WPI Acc no: 2006-087764/200609

XRPX Acc No: N2006-076260

Method for compensating user of franking machine, involves detecting error event associated with billed but unusably printed franking imprint having postage value for transmitting error

information to repayment entity

Patent Assignee: BLEUMER G (BLEU-I); FRANCOTYP-POSTALIA & CO AG KG (FRAN-N);
 FRANCOTYP-POSTALIA BETEILIGUNGS AG (FRAN-N); FRANCOTYP-POSTALIA GMBH
 (FRAN-N)

Inventor: **BLEUMER G**

Patent Family (4 patents, 38 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20060004676	A1	20060105	US 2005170642	A	20050629	200609	B
DE 102004032323	A1	20060126	DE 102004032323	A	20040702	200609	E
EP 1619630	A2	20060125	EP 200513746	A	20050625	200609	E
CA 2511279	A1	20060102	CA 2511279	A	20050630	200613	E

Priority Applications (no., kind, date): DE 102004032323 A 20040702

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20060004676	A1	EN	13	4	
EP 1619630	A2	DE			
Regional Designated States,Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU				
CA 2511279	A1	EN			

Method for compensating user of franking machine, involves detecting error event associated with billed but unusably printed franking imprint having postage value for transmitting error information to repayment entity ...Original Titles:Method and arrangement for compensating a postage machine user for printed and billed, but unusable **franking imprints** Inventor: **BLEUMER G**
Alerting Abstract ...NOVELTY - An error event associated with billed but unusably printed **franking imprint** having a postage value is detected. The error information is stored and error amount is increased in the information by the postage value. The error... **franking machine; and mail processing arrangement...** **USE** - For compensating user of **franking machine** (claimed) like personal computer (PC) **franker** for postage value of unusably printer **franking imprint** associated with mail piece... **ADVANTAGE** - Enables reliable compensation of postage value for unusably printed **franking imprints**.Class Codes International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0017/00...** **G06F-0017/60** Original Publication Data by AuthorityArgentinaPublication No. Inventor name & address:**BLEUMER G...** **Bleumer, Gerrit, Dr., 16552 Schildow, DE...** **Bleumer, Gerrit, Dr...** **Bleumer, Gerrit ...Original Abstracts:**In a method for compensation of the first postage value of an unusable printed **franking imprint** billed in a billing module of a **franking** arrangement, the occurrence of the **unusable franking imprint** is detected as a first **error** event, error information associated with the **error event** is stored, and information derived from the error information is transmitted to a reimbursement entity for initiation of the reimbursement of the postage value. The... **Claims:**I claim as my invention:**1.** A method for compensating a user of a

franking arrangement for a postage value of a not usably printed **franking imprint**, that has been automatically billed to the user, comprising the steps of:(a) detecting, as an error event, an occurrence of a billed but not usably printed **franking imprint** having a postage value;(b) electronically storing error information associated with the said error event, and incrementing error amount information in said error information by said postage value; and(c) transmitting said error information, **including said error amount information**, to a reimbursement entity, remote from said franking arrangement and, at said reimbursement entity, initiating reimbursement of said user for said postage value represented in said **error amount** information.

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23/3,K/9 (Item 5 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0015310113 *Drawing available*

WPI Acc no: 2005-660316/200568

XRPX Acc No: N2005-540919

Postal system service utilization controlling method for monitoring e.g. letter, involves processing and sending data of postal items transport processing information to user who is notified through signaling of presentation of information

Patent Assignee: FRANCOTYP-POSTALIA & CO AG KG (FRAN-N)

Inventor: **BLEUMER G**

Patent Family (3 patents, 37 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1577839	A2	20050921	EP 20053806	A	20050223	200568	B
DE 102004014428	A1	20051013	DE 102004014428	A	20040319	200568	E
US 20050209978	A1	20050922	US 200557357	A	20050214	200568	E

Priority Applications (no., kind, date): DE 102004014428 A 20040319

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 1577839	A2	EN	19	7	
Regional Designated States, Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU				

Inventor: **BLEUMER G** Alerting Abstract ...DESCRIPTION OF DRAWINGS - The drawing shows a basic system with a **franking machine** for **franking** envelopes with imprinted additional information...
 ...110 **Franking machine** Class Codes International Patent Classification IPC Class Level Scope
 Position Status Version Date **G06F-017/60** **G06F-0017/00...** **G06F-0017/00...** Original Publication

Data by AuthorityArgentina**Publication No.** Inventor name & address:**Bleumer, Gerrit, Dr., 16552 Schildow, DE...**...**Bleumer, Gerrit, Dr...**...**Bleumer, Gerrit ...Claims:**device, including pre-setting of signaling conditions;B) in said service device at said first location, generating and storing a dataset, including said signaling conditions, **upon franking** of a mail piece at said service device, including applying a postal shipment identification (SID) to said mail piece;C) causing said mail piece to...

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23/3.K/10 (Item 6 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0014463502 *Drawing available*

WPI Acc no: 2004-654807/200464

XRFX Acc No: N2004-518129

Data secure exchange method between two postage metering data-processing units uses secure communications channel between data-processing units to deliver first message between them
Patent Assignee: BLEUMER G (BLEU-I); FRANCOTYP-POSTALIA & CO AG KG (FRAN-N)
Inventor: BLEUMER G

Patent Family (4 patents, 34 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1455311	A2	20040908	EP 200490094	A	20040305	200464	B
DE 10309817	A1	20040923	DE 10309817	A	20030305	200464	E
US 20040230798	A1	20041118	US 2004794754	A	20040305	200477	E
US 7437756	B2	20081014	US 2004794754	A	20040305	200868	E

Priority Applications (no., kind, date): DE 10309817 A 20030305

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 1455311	A2	DE	17	2	
Regional Designated States, Original	AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR				

Inventor: **BLEUMER G Alerting Abstract ... USE** - For data exchange between two or more data-processing units, e.g. as **franking machine/postage meter machine** accounting units storing available credit... ... 1 First data-processing unit/**franking machine Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0017/30... G06F-0017/30...**
Original Publication Data by AuthorityArgentina**Publication No.** Inventor name & address:**Bleumer, Gerrit, 16552 Schildow, DE...**...**Bleumer, Gerrit...**...**Bleumer, Gerrit ...Bleumer, Gerrit**

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23/3,K/11 (Item 7 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0014463501 *Drawing available*

WPI Acc no: 2004-654806/200464

XRPX Acc No: N2004-518128

Data exchange method between two postage metering data-processing units uses second data-processing unit with status information on first data-processing unit

Patent Assignee: BLEUMER G (BLEU-I); FRANCOTYP-POSTALIA & CO AG KG (FRAN-N); HEINRICH C (HEIN-I)

Inventor: **BLEUMER G; CLEMENS H; HEINRICH C**

Patent Family (3 patents, 34 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1455310	A2	20040908	EP 200490093	A	20040305	200464	B
DE 10309815	A1	20040923	DE 10309815	A	20030305	200464	E
US 20040230622	A1	20041118	US 2004794193	A	20040305	200477	E

Priority Applications (no., kind, date): DE 10309815 A 20030305

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 1455310	A2	DE	25	5	
Regional Designated States,Original	AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR				

Inventor: **BLEUMER G... Alerting Abstract** ...First (1) and second (2) data-processing units (DPU) intercommunicate via a communications connection (3). The first DPU comprises a security module (SM) for a **franking machine** (FM) (4). The second DPU is a remote data main frame operated by the producer of the FM. The SM includes a first processing device.... USE - For data exchange between two or more data-processing units, e.g. as **franking machine/postage meter machine** accounting units storing **available credit**.... 4 **Franking machine/postage meter machine Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0011/14... G06F-0011/14...** Original Publication Data by AuthorityArgentina**Publication No.** Inventor name & address:**Bleumer, Gerrit, 16552 Schildow, DE...** **Bleumer, Gerrit...** **Bleumer, Gerrit**

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23/3,K/12 (Item 8 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0010769251 *Drawing available*

WPI Acc no: 2001-383629/200141

CRPX Acc No: N2001-281522

Franking method involves using distinguishable individual date stamps with electronic payments to enable checking for multiple uses of electronic payments and/or date stamps

Patent Assignee: BLEUMER G (BLEU-D); FRANCOTYP-POSTALIA & CO AG (FRAN-N);

FRANCOTYP-POSTALIA GMBH (FRAN-N); FRANCOTYP-POSTALIA&CO AG (FRAN-N)

Inventor: **BLEUMER G**

Patent Family (6 patents, 26 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1107190	A1	20010613	EP 2000118472	A	20000825	200141	B
DE 19958721	A1	20010712	DE 19958721	A	19991206	200147	E
US 20020035547	A1	20020321	US 2000728741	A	20001201	200224	E
EP 1107190	B1	20060215	EP 2000118472	A	20000825	200614	E
DE 50012218	G	20060420	DE 50012218	A	20000825	200629	E
			EP 2000118472	A	20000825		
US 7496538	B2	20090224	US 2000728741	A	20001201	200918	E

Priority Applications (no., kind, date): DE 19958721 A 19991206; EP 2000118472 A 20000825

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 1107190	A1	DE	18	7		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
EP 1107190	B1	DE				
Regional Designated States,Original	CH DE FR GB IT LI					
DE 50012218	G	DE			Application	EP 2000118472
					Based on OPI patent	EP 1107190

...Original Titles:Method and machine for franking ... Method and machine for franking ...

...Franking method and apparatus Franking method and apparatus Inventor: BLEUMER G

Alerting Abstract ...NOVELTY - The method involves storing postal charges in a franking machine in the form of postal charge units and applying a machine-readable date stamp containing a distinguishable electronic payment to the postal item that is... DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: a system for implementing the method and a franking

machine. Class Codes International Patent Classification IPC Class Level Scope Position Status
Version Date ...**G06F-0017/60** Original Publication Data by AuthorityArgentina**Publication No.**
Inventor name & address:**Bleumer, Gerrit, 16727 Velden, DE...**...**BLEUMER G...**...**Bleumer, Gerrit...**...**Bleumer, Gerrit...**...**Bleumer, Gerrit...**...**Bleumer, Gerrit...**...**Original Abstracts:**In a method and system and **franking apparatus** for **franking** postal matter and for inspection of the franking, postage fees are stored and debited in electronic form, and a fee stamp and a machine-readable... ... In a method and system and **franking apparatus** for **franking** postal matter and for inspection of the franking, postage fees are stored and debited in electronic form, and a fee stamp and a machine-readable... ...**Claims:**A process for the **machine franking** of mail matter (8) and for checking the franking, postal charges being stored in electronic form in a **franking machine** as postal-charge units, and a machine-readable encrypted date mark containing an electronic coin being applied onto the mail item (8), an individual electronic coin being generated by the **franking machine** for each item of mail, said coin being capable of being distinguished from the electronic coins generated for other items of mail, and a check... ... I claim as my invention: 1. A method for **franking** postal matter in a **franking apparatus** and for inspecting the **franking**, comprising the steps of: electronically storing postage fee units as electronic coins, and debiting said electronic coins as said postage fee units are consumed; individualizing... ... I claim as my invention: 1. A system for **franking** postal matter with a **franking apparatus** and for inspecting the **franking** comprising: a **franking apparatus** that **franks** postal matter, having a printing unit a machine-readable date stamp onto items of postal matter, a central unit containing a fee module, storing and protocol with said **franking apparatus** that makes postage fee units electronically available to said **franking apparatus** as electronic coins each having unique coin identification information embodied therein, said electronic coins being entered in said communication protocol into said fee module of... ... unique coin identification information by said printing unit, to individualize the date stamp compared to other date stamps; and an inspection unit remote from said **franking apparatus** that inspects said items, including a memory that stores respective date stamps on successively inspected items of postal matter, by comparing the unique coin identification...

22/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2: INSPEC
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07919233

Title: Secure PC-franking for everyone

Author(s): Bleumer, G.

Author Affiliation: Francotyp-Postalia, Birkenwerder, Germany

Book Title: Electronic Commerce and Web Technologies. First International Conference, EC-Web 2000. Proceedings (Lecture Notes in Computer Science Vol.1875)

Inclusive Page Numbers: 94-109

Publisher: Springer-Verlag, Berlin

Country of Publication: Germany

Publication Date: 2000

Conference Title: Electronic Commerce and Web Technologies. First International Conference, EC-Web 2000

Conference Date: 4-6 Sept. 2000

Conference Location: London, UK

Editor(s): Bauknecht, K.; Madria, S.K.; Pernul, G.

ISBN: 3 540 67981 2

Number of Pages: xii+488

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 2001-018

Copyright: 2001, IEE

Author(s): Bleumer, G.

Identifiers: PC franking systems; postage value; envelopes; mailing labels; desktop printers; IBIP program; postal services; 2D bar codes; mail delivery system; tamper responsive postal security device; data privacy; indicia; offline electronic cash; elliptic curves; blind signature

[Insert]

III. Patent Files from Dialog

File 324:GERMAN PATENTS FULLTEXT 1967-200923
(c) 2009 UNIVENTIO/THOMSON
File 348:EUROPEAN PATENTS 1978-200923
(c) 2009 European Patent Office
File 349:PCT FULLTEXT 1979-2009/UB=20090604/UT=20090528
(c) 2009 WIPO/Thomson
File 344:Chinese Patents Abs Jan 1985-2006/Jan
(c) 2006 European Patent Office
File 347:JAPIO Dec 1976-2009/Jan(Updated 090503)
(c) 2009 JPO & JAPIO
File 350:Derwent WPIX 1963-2009/UD=200935
(c) 2009 Thomson Reuters
File 371:French Patents 1961-2002/BOPI 200209
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Set	Items	Description
S1	2238	(FRANKING OR FRANKS)(5N)(MACHINE? ? OR DEVICE? ? OR APPARATUS OR IMPRINT? ?)
S2	356	(POSTAL)(SECURITY)(3N)(DEVICE? ? OR APPARATUS OR MACHINE? ? OR METER? ? OR METRE? ?)
S3	4732	(POSTAGE OR POSTAL)(3N)(METER? ? OR METRE? ? OR DEVICE OR DEVICES OR INDICIA OR INDICIUM OR FRANK???)
S4	335	(S1:S3)(5N)(CRYPTO? OR ENCRYPT?)
S5	673	(S1:S3)(5N)(ENCOD? OR CODE? ? OR CODING?)
S6	18644	(ELECTRONIC OR DIGITAL OR DIGIT???)()SIGNATURE? ?
S7	81890	SIGNATURE OR SIGNATURES
S8	6924	(S6:S7)(5N)(FIRST OR 1ST OR PRIMARY)
S9	5372	(S6:S7)(5N)(SECOND OR SECONDARY OR 2ND)
S10	7047	(S6:S7)(5N)(MULTI OR PLURAL? OR MANY OR SEVERAL OR MULTIPLE OR NUMEROUS)
S11	5150	DIFFERENT()ALGORITHM? ?
S12	7885	DIFFERENT()FORMULA??? OR NUMERIC? ? OR NUMERAL? ? OR ALGEBRA OR LOGIC)
S13	46	(S11:S12)(5N)(CREATE OR CREATES OR CREATING)
S14	97	(S11:S12)(5N)CONFIGUR???
S15	63	AU=(BLEUMER, G? OR BLEUMER G? OR GERRIT(2N)BLEUMER)

S16 889 S4:S5
 S17 4 S16(S)(S8:S10)
 S18 0 S17 AND (S13 OR S14)
 S19 0 S16(S)(S13:S14)
 S20 94 S16(S)ALGORITHM?
 S21 20 S20 AND IC=G06F
 S22 36 S15 AND S1
 S23 12 S22 AND IC=G06F

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17/3,K/1 (Item 1 from file: 324)

DIALOG(R)File 324: GERMAN PATENTS FULLTEXT

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0004184284

Verfahren und Anordnung zum Generieren eines geheimen Sitzungsschlüssels

Procedure and arrangement for generating a secret meeting key

Patent Applicant/Assignee:

Francotyp-Postalia AG & Co KG 16547 Birkenwerder, DE,,

Inventor(s):

Bleumer Gerrit, Dr., 16552 Schildow, DE,,

Heinrich Clemens, 12161 Berlin, DE,,

Legal Representative:

COHAUSZ & FLORACK, 40211 Dusseldorf

Publication & Filing Information

	Serial Number	Kind	Date
Publication	DE 102004032057	A1	20060126
Application	DE 102004032057		20040701

Priority application(s): DE 102004032057 20040701

Publication Language: German ; Application Language: German

Fulltext Word Count (English): 11404

Fulltext Word Count (German) : 9584

Fulltext Word Count (Both) : 20988 Fulltext Availability: Description (English machine

translation)**Description** (English machine translation)...data record 6,1, or the entire second data record 6,3. Additionally to the examination the datenzentrale 3 in the step 5,7 verifies the **first digital signature** 6.2. For this identify the second processing unit 3,1 on the basis with the first message the 6 (M1) conveyed first identification 6... ..ID1) the associated first verification key and accesses the appropriate first verification key stored in the second safety module 3,3. Because of the existing firm **cryptographic** connection between the **franking machine** 2 and the datenzentrale 3, described above, for this the simple seriennummer of the franking machine 2 is sufficient as the first identification (ID1). If...

Description (German)

Dialog eLink: [Order File History](#)

17/3,K/2 (Item 1 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0016992883 *Drawing available*

WPI Acc no: 2007-707947/200766

Related WPI Acc No: 2003-712394

XRPX Acc No: N2007-557018

Postal indicia authentication system for e.g. united parcel service, has computing device retrieving authentication data for deciphering encrypted device data and determining validity of indicia using deciphered device data

Patent Assignee: BROOKNER G (BROO-I); KRESINA R (KRES-I)

Inventor: BROOKNER G; KRESINA R

Patent Family (1 patents, 1 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20070219925	A1	20070920	US 2002366861	P	20020322	200766	B
			US 2003355871	A	20030131		
			US 2007790182	A	20070424		

Priority Applications (no., kind, date): US 2002366861 P 20020322; US 2003355871 A 20030131; US 2007790182 A 20070424

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 20070219925	A1	EN	11	6	Related to Provisional	US 2002366861
					Continuation of application	US 2003355871
					Continuation of patent	US 7225166

Original Publication Data by AuthorityArgentina**Publication No. ...Claims:**embedding the identification and encrypted device data comprises:providing the device data to a first hash function to yield a first hash value;providing the **first** hash value to a **first digital signature** function using a device private key to yield a **first digital signature** value;incorporating the identification data, the **first** hash value and the **first digital signature** value into the indicia;providing the device data and a device public key to a second hash function to yield a second hash value;providing the **second** hash value to a **second digital signature** function utilizing a vendor private key to yield a **second signature** value; andincorporating the **second** hash value and a vendor public key into the indicia.

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17/3,K/3 (Item 2 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0015688329 *Drawing available*

WPI Acc no: 2006-252408/200626

XRPX Acc No: N2006-216376

Mutually authenticating postal security device and infrastructure in postage metering system, involves sending signed PSD key record and message authentication code to infrastructure, and authenticating key record and public key

Patent Assignee: PITNEY BOWES INC (PITB)

Inventor: ATHENS G T; SHUKAITIS M J; SISSION R W

Patent Family (1 patents, 1 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20060069655	A1	20060330	US 2004953828	A	20040929	200626	B

Priority Applications (no., kind, date): US 2004953828 A 20040929

Patent Details					
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
US 20060069655	A1	EN	9	4	

Original Publication Data by AuthorityArgentina**Publication No. ...Claims:**message authentication code using said signed provider key record and said secret key and sending said signed provider key record and said first message authentication code to said postal security device;said postal security device authenticating said signed provider key record **using said first** message authentication code;said postal security device authenticating said provider public key using said **first digital signature**;said postal security device preparing a signed PSD key record using said PSD public key and said PSD private key, said signed PSD key record including said PSD public key and a **second digital signature**;said postal security device preparing a second message authentication code using said signed PSD key record and said secret key and sending said signed PSD key record and said second message authentication code to said infrastructure;said infrastructure authenticating said signed PSD key record using said second message authentication code; andsaid infrastructure authenticating said PSD public key using said **second digital signature**.>

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17/3,K/4 (Item 3 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0010982579 *Drawing available*

WPI Acc no: 2001-607082/200169

XRPX Acc No: N2001-453185

Authenticating mail-pieces utilizing cryptographically secure or plain text indicia printed onto a mail-piece as evidence of postage payment

Patent Assignee: US POSTAL SERVICE (USPO-N)

Inventor: GORDON R A; GORDON R R; LORD D J; WILKERSON W A

Patent Family (3 patents, 92 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2001043053	A2	20010614	WO 2000US42195	A	20001116	200169	B
AU 200145068	A	20010618	AU 200145068	A	20001116	200169	E
US 6527178	B1	20030304	US 1999165810	P	19991116	200320	E
			US 2000714846	A	20001116		

Priority Applications (no., kind, date): US 1999165810 P 19991116; US 2000714846 A 20001116

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 2001043053	A2	EN	30	8		
National Designated States,Original	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200145068	A	EN			Based on OPI patent	WO 2001043053
US 6527178	B1	EN			Related to Provisional	US 1999165810

Alerting Abstract ...indicia on the mail-piece and depositing the mail-piece into the system for delivery. The indicia are preferably a data file or structure with **plural** data fields and a **digital signature** created using a private key held by the postal authority.

21/TI,K/I (Item 1 from file: 324)

DIALOG(R)File 324: GERMAN PATENTS FULLTEXT

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Verfahren zur sicheren Übertragung von Dienstdaten an ein Endgerät und Anordnung zur Durchführung des Verfahrens

Procedure for the safe transmission from service data to a terminal and arrangement to the execution of the procedure Class Codes International Patent Classification IPC Level Value Position Status Version Date Action Date Source Office ...**G06F-017/60** Fulltext Availability: Description (English machine translation) Claims (English machine translation) Description (German)**Description**

(English machine translation)...be verified. It is intended that the postage computer is interfaced in the terminal or is separately arranged by the terminal. The terminal is preferably a **franking machine**, whereby a symmetrical coding algorithm for the education of a coded check total and a secret key in the franking machine are present surely stored. Alternatively the postage computer is into... the separate Portorechner to the franking machine, which exhibits a safe housing and by special measures against a manipulation in falsification intention is protected. The franking machine forms then a the-coded check total, whereby the the key needed for it is surely stored in the franking machine in actually well-known way. The other variant is...pattern (ECSS), to be used. Alternatively variant is intended that the coded check total MAC (Message Authentication code) is formed by means of a symmetrical coding Algorithm by the franking machine, in which a secret key is stored in one - in the Fig. 3b shown -. The coded check total MAC is conveyed to the datenzentrale. In... be only called must, in order to produce out this CHECK SUM by coding with a ciphering code SECRET KEY with application of a symmetrical algorithm with the help of the server 32 comparison the MAC '. With the examination in the datenzentrale the same secret key SECRET KEY is used, as... Description (German) Claims (English machine translation)...of requirement 7, characterized thereby that the check total from the postage computer to the franking machine conveyed and that the coded check total is formed by means of a symmetrical coding Algorithm by the franking machine, in which a secret key is stored, as well as that for examination in the datenzentrale the same secret key is used... into a balance or is separately arranged by the terminal. 16. Arrangement, according to requirement by the fact 14, characterized that the terminal is a franking machine and that a symmetrical coding algorithm is present for education coded check total and a secret key in the franking machine surely stored. 17. Arrangement, according to requirement by the fact... Claims (German)

21/TI,K/2 (Item 2 from file: 324)

DIALOG(R)File 324: GERMAN PATENTS FULLTEXT

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Verfahren zur Statistikmodusnachladung und zur statistischen Erfassung nach Statistikklassen bei der Speicherung eines Datensatzes

Procedure for the statistics mode reloading and for the statistic collection after statistics classes with the storage of a data record Class Codes International Patent Classification IPC Level Value Position Status Version Date Action Date Source Office **G06F-017/18** Fulltext

Availability: Description (English machine translation) **Description** (English machine translation)...a distant datenzentrale, which the conveyed pin examined and which receipt confirms, a sending off first takes place coded report on the part of the franking machine to the datenzentrale. In the coded report the value default desire, identification -, post office register data and CRC data (Cyclic Redundancy check) are coded by means of the **algorithm** (DATA Encryption standard), whereby a first key application finds. Subsequently, a second coded report is to be received and decoded from the franking machine. For... execution completely in Otp Rome and cannot be forced not into other operations mode. In addition the procedure for the security of data and program code of an electronic **franking machine** covers a transferring externally stored pre-determined MAC value in the internal Otp RAM and forming a check sum in the OTP processor over contents of... an error then a logging and a following blocking of the franking machine take place. In Otp Rome also a multiplicity of keys and a coding **algorithm** are stored, which find during the program execution of safety-relevant transactions

and with the external storage of safety-relevant data application. The solution specified...The principle safeguard goes also out of the German patent application DE 19534530 A1 with the title: Procedure for the security of data and program code of an electronic **franking machine** out. The the **algorithm** and secret remote value default the key aKKFix are again selectable and thus by a potential manipulator not question intensively from the OTP. For the... ..default the key KKFix before its storing takes place in the NVRAM as a coded keys Crypt KFix. Preferably thereby an application of the the **algorithm** takes place and on the keys needed for the remote value default, in order to be able to do these in kryptifizierter form non volatile... ..of the aforementioned secret remote value default the key KKFix to back-decode to be able. With the OTP internally stored secret current key KAct < B> codes the **franking machine** a message v to a coded message cv, whereby the the **algorithm** application finds. Now with the secret current key the KAct produced coded message cv from the **franking machine** to the datenzentrale sent (step 313). The datenzentrale receives (step 508) coded message cv and forms a new secret key. The datenzentrale forms (step 511) a... ..for same secret current key KAct, whereby this coded message Cv+1 contains also the new secret current key and further transaction data, and sends this coded message Cv+1 to the **franking machine**. The **franking machine** receives (step 315) and extracts from the code d message Cv+1 the pin (postage call identification number) and the new secret current key, by decoding... ..the step 318) of the transaction data and the new secret current key takes place. The latter is coded again with application of the the **algorithm** m and with application of the secret remote value default the key KKFix from the OTP, in order to know also the new secret current key...
Description (German)

21/TLK/3 (Item 3 from file: 324)

DIALOG(R)File 324: GERMAN PATENTS FULLTEXT

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Verfahren zur sicheren Übertragung von Dienstdaten an ein Endgerät und Anordnung zur Durchführung des Verfahrens

Procedure for the safe transmission from service data to a terminal and arrangement to the execution of the procedure Class Codes International Patent Classification IPC Level Value Position Status Version Date Action Date Source Office ...**G06F-017/60** Fulltext Availability: Description (English machine translation) Claims (English machine translation) Description (German)**Description** (English machine translation)...verified. It is envisaged that the postage computer is integrated in the terminal or is separately arranged by the terminal. The terminal is preferably a **franking machine**, whereby a symmetrical **coding algorithm** for the constitution of a coded check total and a secret key in the franking machine are present surely stored. Alternatively the postage computer is... ..the franking machine to be submitted surely, which exhibits a safe housing and by special measures against a manipulation in falsification intent is protected. The **franking machine** forms then-coded check total, whereby to it the needed-keys in the franking machine in actually well-known way is surely stored. The other variant is characterised... ..pattern (ECSS), to be assigned. Alternatively variant is envisaged that the coded check total MAC (Message Authentication code) is formed by means of a symmetrical **coding-Algorithm** by the **franking machine**, in which a secret key is stored in one-in the Fig. 3b shown -. The coded check total MAC is submitted to the datenzentrale. In... ..be only called must, in order to produce out this CHECK SUM by coding with a ciphering code SECRET KEY with application of a symmetrical **algorithm** with the help of the server 32 comparison the MAC'. With the examination in the datenzentrale the same secret key SECRET KEY is used, as...
Description (German)**Claims** (English machine translation)...the check total from the postage computer

to the franking machine submitted and that the coded check total is formed by means of a symmetrical coding-Algorithmus by the franking machine, in which a secret key is stored, as well as that for examination in the datenzentrale the same secret key is used. 9. Procedure, according... into a balance or is separately arranged by the terminal. 16. Arrangement, according to demand by the fact 14, characterized that the terminal is a franking machine and that more symmetrically coding-algorithm for constitution coded check total and a secret key in the franking machine surely stored is present. 17. Arrangement, according to demand by the fact... **Claims** (German)

21/TI,K/4 (Item 4 from file: 324)

DIALOG(R)File 324: GERMAN PATENTS FULLTEXT

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Anordnung zur Erhöhung der Manipulationssicherheit von kritischen Daten Class Codes

International Patent Classification IPC Level Value Position Status Version Date Action Date Source Office **G06F-012/14** Fulltext Availability: Description (English machine translation) Claims (English machine translation) Description (German)Claims (English machine translation)...asked-SRAM's 35 and E2PROM) a code word is stored by the manufacturer of the franking machine, which is assigned to a pre-determined **franking machine**. The code word can at the beginning for example the seriennummer of the franking machine cover or can a part of one * G304a-DE -**."other number be... conditions by) and/or before program interrupt accordingly selected is, validation of the code word at least for the time of switching on of the **franking machine** and replacing of the old code word on b y a pre-determined new code word, if the processor, after validation with r eference to in its internal processor memory(NVM 6c) from a... for the education of a new changeable first code word also the education of the new second code word takes place according to an identical **algor ithm** for the formation new first 5 of the code word, in order to load a n identical new second code word into the non volatile memory which... or voltage failure or before a certain downtime (conditions by) and/or b efore program interrupt and that at the time of switching on of the **fran king machine** on the old code word is replaced at least by a pre-determined new code word. The code word is thus changed automaticall y according to invention to pre-determined...with remained the same dataon tents of the memory cannot be made without knowledge of the key and the para meter data by the manipulator also, if the **algorithm** admits to the education of the new code word were. Therefore a well-known coding procedure, as for example, can be used. The procedure for the increase... is formed. As mathematical function F for example a cryptographic functi on can. G304a-DE-23' "to be used, which in the internal OTP-ROM as **algor ithm** and/or program stored is present. For example that **algorithm** (DATA-of the Encryption knows-standard) or a zufallsfunktion to be used t o determine 5 beispei lswise around the new point according to F. Aforem entioned... word if a not plausible deviation is determined, to a step 109 branched out, the measures one covers, which prevent in the long run further **fran king** with the **franking machine**. For example a third cod e word Y given by a datenzentrale can be deleted, its absence the manip ulation occupied. In the following to the system routine (point s) one bran ches... changeable code word (V, U) is missing, and/or not with the internally s tored agrees, the franking machine could be continued using. That continued using **franking machine** is possible, because new third cod e word Y lverwendet becomes, whereby-as in the figure 7 is represented-o n the step 108 is branched out, around a new changeable code word *..... - : : : : s... **Claims** (German)

21/TLK/5 (Item 5 from file: 324)

DIALOG(R)File 324: GERMAN PATENTS FULLTEXT

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Mikroprozessorgesteuertes Frankiermaschinensystem

Microprocessor-controlled franking machine system Class Codes International Patent Classification

IPC Level Value Position Status Version Date Action Date Source Office **G06F-015/21...** Fulltext

Availability: Description (English machine translation) Claims (English machine

translation) Description (German)Claims (English machine translation)...like in Fig. a and 4b of represented flow charts come out, expires the scanning arrangement as in the prior description of the electronic franking machine. The code switch 121 specifies the special mode of operation, in that the franking machine is and releases the map entrance slot 109 by manipulation of a... ..invalidity lamp lights up, the map is ejected and the control to the main program returned. If the map is valid, audit data from the franking machine registers are picked out, coded and noted on the map. The map is ejected then, it lights up the audit lamp and it returns the control to the main program... ..production, as for example in US described. The expression "pseudo coincidence" is used, because the numbers seem as coincidental, although they are produced by an algorithm. There is not evident connection between aufeinanderfolgendne numbers of each sequence; however the sequences of the local are and distant random number generator the same... ..produced and appropriate pseudo-random number. The number is changed with each reloading of the map, whereby the earlier number uses in agreement with an algorithm, which both with the distant and completely within the appropriate pseudo-random number generators is contained of the local unity, for the production of a... ..374 together with the information, which seems on the management 370, representing the franking machine combination. Both the condition of the sloping register and the code of the franking machine representing information along the management 374 into a further and gate 376 and then into the read circuit 312 one feeds in this way. The... Claims (German)

21/TLK/6 (Item 6 from file: 324)

DIALOG(R)File 324: GERMAN PATENTS FULLTEXT

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MITTELS EINER FERNERZEUGTEN EINGABEVORRICHTUNG EINSTELLBARE ELEKTRONISCHE FRANKIERMASCHINE

Class Codes International Patent Classification IPC

Level Value Position Status Version Date Action Date Source Office **G06F-015/21...** Fulltext

Availability: Description (English machine translation)Description (English machine

translation)...computer for the execution of the audits. With a magnetic card using multi-passport procedures all franking machine registers on the map are intended in coded form. The franking machine printer and-logic reads the map, examinesfor the correct combination, decodes the registers, brings the actual registers around the amount of postage up to date... ..not recognized with certain konsistenzpruefungen and the map was rejected. The requirements at achievement-independent memory for the franking machine are reducedto for their combination algorithm the necessities. A further possibility exists in an electronic map, which contains the storage registers (i.e. in achievement-independent semiconductor memory form) and a... Description (German)

Franking machine system.
Frankiermaschinensystem.
Système de machine à affranchir.

Country	Number	Kind	Date	
International Patent Class (V7): ...G06F-015/21				
Legal Status	Type	Pub. Date	Kind	Text
Language				
Fulltext Availability	Available Text	Language	Update	V
Total Word Count (Document A)				
Total Word Count (Document B)				
Total Word Count (All Documents)				

Specification: ...completed, transaction requests from the franking machines are accepted by the controller one at a time. Suitable clash avoidance techniques and messages are utilised in **communication** between the controller and the **franking machines**.

Referring now to Figure 2, the controller 19 comprises a micro-controller 24 containing program and working memories as well as control and arithmetic logic and input/output circuits. The program memory stores the application software **code** for carrying out the **required operations** of the controller. Dual non-volatile memories 25, 26 contain status registers for the controller as well as registers for storing all the credit and...between the controller and the franking machines and to transactions between the controller and the resetting centre computer. However it will be appreciated that different **algorithms** and secure keys are utilised in encrypting and decrypting for the two kinds of transaction.

The sequence of operations for updating the credit value of... may be effected automatically upon the descending register of the franking machine being decremented to a preset minimum credit value. If the controller is not **busy** carrying out **another transaction** it reads the registers of the franking machine and from receipt of the serial number of the machine, the controller **looks up** a secure franking machine key unique to that particular franking machine. The data relating to register contents is **encrypted** by the **franking machine** prior to transmission to the controller and is decrypted by the controller utilising the secure franking machine key and an **algorithm** using a second random table. The register values received by the controller are checked against values currently held by the controller and the new received... the request for credit update key on the franking machine is set. The controller may be programmed to issue preset amounts of credit to the **franking machines** or to issue **amounts** of credit as requested through the **franking machines**. The amount of credit required for the transaction is checked against the total amount of credit available for distribution by the controller. If the amount is available the secure key is utilised by the controller to encrypt a data block containing the value of credit update, a

new transaction identification **code** generated by a pseudo random **number generator** and checking data. This is transmitted to the franking machine which is thereby enabled to update its descending register. If the amount of credit required...

21/K/8 (Item 1 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT
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Country	Number	Kind	Date
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International Patent Classes (Version 8/R) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0017/00...								

Detailed Description:

...to a central postal computer server 6 .

Server 6 has access to customer information data base 7 which contains listings of customer identification data, authentication **codes**, and **postage meter** identifiers. By comparison of the identification data received from the scanned mail item to the data from the customer information data base 7 , authorized use... ..status reading of the descending register of the originating postage meter will be stored in a data base according to its particular identifiers. The storage **algorithm** may be executed to store only the current funding value for a particular postage meter.

The operation the system of this invention is shown in...

21/K/9 (Item 2 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT
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Country	Number	Kind	Date
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International Patent Classes (Version 8/R) IPC	Level	Value	Position	Status	Version	Action	Source	Office
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International Patent Classes (Version 8/R) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0017/00...								

Claims:

...program product of claim 4, wherein the postage indicium further has one or more items selected from the group consisting of an indicia version number, **algorithm** identification, certificate serial number, **device** identification, ascending register, **postage**, date of mailing, originating zip **code**, software identification, descending register, and rate category.

12. The computer program product of claim 4, wherein the postage indicium is in a barcode format.

13... ..wherein the postage indicium further has one or more items selected from the group consisting of an indicia version number, algorithm identification, certificate serial number, **device** identification, ascending register, **postage**, date of mailing, originating zip **code**, software identification, descending register, and rate category.

24. The system of claim 14, wherein the web services are XML web services.

25. The system of...

21/K/10 (Item 3 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT
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Country	Number	Kind	Date
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Main International Patent Classes (Version 7):

IPC	Level
G06F-011/30	Main
G06F-012/14...	

Detailed Description:

...1996, and Information Based Indicia Program (IBIP) Open System Postal Security Device (PSD) Specification dated July 23, 1997.

[0006] These systems, which may utilize a **device** termed a **Postage** Evidencing **Device** (PED), employ

a **cryptographic algorithm** to protect selected data elements by using the CVC. The information protected by the CVC provides security to detect altering of the printed information in...

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23/3,K/1 (Item 1 from file: 324)

DIALOG(R)File 324: GERMAN PATENTS FULLTEXT

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0004271356

Testsystem für ein Benutzerendgerät und Testautomatisierungsverfahren

Test system for a user terminal and a test automation procedure

Patent Applicant/Assignee:

Francotyp-Postalia GmbH 16547 Birkenwerder, DE,,

Inventor(s):

Schwarz Stefan, 10551 Berlin, DE,,

Bleumer Gerrit, Dr., 16552 Schildow, DE,,

Publication & Filing Information			
	Serial Number	Kind	Date
Publication	DE 102005038151	B3	20070208
Application	DE 102005038151		20050812

Priority application(s): DE 102005038151 20050812

Publication Language: German ; Application Language: German

Fulltext Word Count (English): 10112

Fulltext Word Count (German) : 8131

Fulltext Word Count (Both) : 18243 Inventor(s): ...**Bleumer Gerrit**, **Class Codes** International Patent Classification IPC Level Value Position Status Version Date Action Date Source Office Original **G06F-0011/22**... **G06F-0009/445** CurrentFulltext Availability: Description (English machine translation)**Description** (English machine translation)...requirement 1 and in accordance with test automation procedures the generic term of the requirement 23. The invention is used with automated testing a nddiagnosis of **franking machines** and reservation or post offi ce processing devices or other user terminals. State of the art As a **franking machine** for small post office arising already t he T1000-Trend of the Herstellerin Francotyp Postalia is participation AG w ell-known, which is connectable over an interface cable an external service computer. The **franking machine** has a firmly arranged thermal transfer printing head for printing a frankingcasting and an external stan dard interface inside a safety housing forthe connection of a postage balan ce, a service computer of the type SC03 or other peripheral devices. The se rvice computer is used only for the selection and documenting **machine** parameters by in seriesmanufactured **franking machines**, but makes no data input via the standard interface. Another well-known **franking machine** of the type Jetmail(R) of the Herstellerin Francotyp Postalia participation AG isintended for office s with middle to high post office arising and can be likewise connected wit h a service computer, which makes an electrical line connection with the **franking machine**, which if necessary register contents and mach ine parameter spends over interface cables. From the EP 675,463 B1 a **franking machine** of the company SECA P is well-known, which exhibits a serial interface, over which display data totally or partly constantly after is externally made available...

...an additionally mountable LCD indicator plant. It is favourable that for it no inserted personal computer is needed. From the EP 493,948 B1 a **franking machine** of the company NEOP OST is well-known, which with a computer and/or workstation is connected for entering franking data. For the bare enterprise it is however very complex, if such an expensive equipment is needed additionally for the **franking machine**. Already in US 4,525,786 is described a **franking machine** of the company Pitney Bowes, in which a program fragment is stored, which ensures that the critical settlement dates stored in the non volatile memory are set by a microprocessor of the **franking machine** during a last manufacture phase to pre-defined values however at the same time by means of a check bit prevented that this can happen several times, after the serial number of the **franking machine** was entered. For the input serves an external terminal, which is connectable to an external **franking machine interface** over a data cable. From that US 4,825,786 is well-known a **franking machine** of the company Pitney Bowes, which can be initialized and configured in the factory and in the field by means of an external program control over a **franking machine interface**. For testing the **franking machine** does not need to be taken apart. From the DE 100 36 623 A1 already the connection of a personal computer, a laptop and/or a Notebook PC is well-known to a **franking machine** of the type (R) Jetmail, in order to initialize the **franking machine**. An initialization takes place only after successful identification of the personal computer, laptop and/or Notebook PC's, whereby an authorizing of the initialization takes place by means of an authorizing means, for example by means of a FP Card, which is put into the smart card reader of the **franking machine**. The initialization covers also an input of the date of the battery of a safety module of the **franking machine**, a telephone number of the Teleportodatenzentrum of the regulation country and a postage call-off number PAN, as well as including the Teleportodatenzentrums a loading of keys for an asset reloading into the safety module. However no testing of in series manufactured **franking machines** with the aforementioned means is intended. From US 4,639,918 an automatic self check of a **franking machine** is well-known, whereby the user of a **franking machine** can stop a test mode and their keyboard used to select by input of a code a test routine from a multiplicity of possible test routines so that then the **franking machine** processes the selected test routine and a diagnostic test can be performed. It participates unfavorably that a selection and documenting diagnostic test data can take place only visually and manually. These diagnostic test data are picked out with a repair or a regular examination of the **franking machine** by the service technician, selected still automatically thus neither with the standard production of **franking machines**. According to DE 103 03 720 B4 a test system for medical plants is suggested, which works with test data files for controlled transmission packets... ..is generally well-known automatically to test user terminals with the production by last selected user terminals in the operating mode one are subjected, but **franking machines** are subjected to very high requirements and need therefore a special permission. With the development of **franking machines** so far a DEBUG version and a release version before the standard production of **franking machines** were produced. For error correction the DEBUG version differs from the release version by planning from additional hardware, measuring points and interfaces to the connection from measuring and analyzers. A release version of the **franking machine** will hand over to the postbehoerde. Before the standard production of **franking machines** their permission is by the postbehoerde or necessary by nationally an institution assigned in addition. The postbehoerde makes either even numerous tests at the **franking machine** or assigns an independent test laboratory. Naturally the DEBUG version already permits a testing of at least individual components and/or building groups of the **franking machine**, however only by planning from additional hardware, to a **franking machine** measuring points and interfaces to the connection of measuring and analyzers. These additional means must be removed for the production of

a release version of the **franking machine**, since otherwise the **franking machine** of third would be manipulated in falsification intention. For a manipulatable version of the **franking machine** no permission will naturally assign. Unfavorable it is now that the DEBUG version exhibits a different time performance in relation to the release version of a **franking machine**. In modern **franking machines** current processors with very high clock rates are operated, which make a very high speed of operation and thus modern a cryptography only possible at all. A different time performance in relation to the DEBUG version can affect itself therefore to an error and therefore the permission of the **franking machine** would be refused. < B> **Franking machines** are because of the very high requirements particularly concerned, however there are constantly new standards to consider also for other user terminals and to attain... ..shop of a release often commodity. A user terminal possesses at the same time a set of expenditure interfaces and actuators. In the case of **franking machines** these possess a display and a printing element, in order to produce for franking casting, as well as engines or electromagnets as electromechanical actuators. Additionally... ..1a, first variant of the test system with interwiring, 1b, second variant of the test system with slack communication connection, 2, perspective opinion of a **franking machine** and a service computer, a, block diagram of a test system with a user terminal and with test automation equipment, 3b, perspective opinion of an opened **franking machine** and the test automation equipment, 4, perspective opinion of a **franking machine** with closed housing from the front, right and above, 5, schematic representation of a keyboard field, 6, simplified keyboard connection diagram, 7, clock production plan... ..and in each case with a Transceiver 43 and/or. 31 is equipped, which are kommunikativ connected via communication channel 33. A perspective opinion of a **franking machine** of the type optimal 30 the Herstellerin Francotyp Postalia(R) participation AG and a computer 10, which have a data cable interfaces and are kommunikativ connected via 8 with one another, shows the 2. The **franking machine** 1 is of the back 5, left side 4 to the lower shell and top side 6 of an overhead panel 2 represented. On the left side 4 of the lower shell is a switch 41, with which the **franking machine** can be switched on. On the top side 6 an indicator plant 61 and an input mechanism 62 are arranged. A letter supply takes place at the front 7 of the **franking machine** 1 from the left side 4 to the right page 3. It is intended that the overhead panel 2 over the lower shell of the **franking machine** housing is removable arranged. The overhead panel 2 of the **franking machine** housing is removable only by an authorized person, for example a service technician. A first opening 25 at the back 5 supplies an entrance to... ..respective opening for the entrance to a serial interface can be also in another way not shown in any of the two housing bowls of the **franking machine** housing arranged. The serial interface and the serial interface of the computer 10 accessible over the first opening 25 of the **franking machine** housing are thereby of the same type. A block diagram of a test system with a user terminal and with test automation equipment shows... ..the base and/or a keyboard plug socket on the Main board or in a housing hollow remains connected. The switch 41, with which the **franking machine** can be switched on, is connected with a power pack on the power pack printed circuit board 18, which feeds the motherboard 15 and the... ..as test input interface and connected kommunikativ with the external interface 52 of the user terminal 1. The user terminal 1 is for example a **franking machine** of the type optimal 30(R). The **franking machine** is equipped with an internal interface 53, at which in a way shown in the test mode a data cable 13 of the test... ..component. The FPGA component makes clock pulses available for the input mechanism 62 and processes the received input signals. In the remark example of a **franking machine** of the type optimal 30(R) the input mechanism 62 is a key board with an attached data cable 63 and a solvable connection at the Main board 50. Alternatively or additionally a solvable connection at the key board can be intended. With a **franking machine** of the type Jetmail(R) exists in the meter lower part near the key board a housing hollow for a solvable patch cord. With a key board... ..and to the expenditure for test used first interfaces of the

test automation equipment to be attached. The 3b shows a perspective opinion of an opened franking machine 1 and the test automation equipment 10. Both devices are represented from the front, right and above. The franking machine 1 is operable in the normal enterprise with a stick-onable input mechanism 62 installed in an upper housing bowl 2, which is here however removed. The franking machine 1 is headed for operable by the test automation equipment over a stick-onable data cable 13 in the test operation, which is designed as flat cables here. The franking machine 1 is opened and does not exhibit in the lower shell a visible chassis, on which a baseplate 27 of the printing element close of the front 7 and a power pack printed circuit board 48 close of the back 5 of the franking machine 1 are standing arranged. Between the baseplate 27 and the power pack printed circuit board 48 the main printed circuit board (Main board) is arranged 50. At the right page 3 of the franking machine 1 the smart card write/read unit 59 located on the Main board 50 is. On the side of the Main board 50 turned to the overhead panel 2 of the franking machine housing the internal interface 53 and an associated multipolar socket contact 531 are arranged, into which a plug 131 of the flat cable 13 is put.... internal interface 53. A data cable 8 implemented as round cables is connected with the serial interface 52 of the Main board 50 of the franking machine 1 by the entrance in the first opening on the back 5 of the franking machine 1. Here appropriate commercial plug connectors are used in a well-known way or others in their effect same transmission means. The data cable 8 is... the test automation equipment 10 such as Bluetooth Kommunikationssysteme or other drahtlose means of communication than Schnittstellen to the input to have. A perspective opinion of a franking machine of the type optimal 30 with closed housing(R) from the front shows the 4, right and above. From the lower shell of the franking... are covered. And the removal takes place on the front 7 from the left side 4 and to the right page 3 of the franking machine 1. On the housing lower shell the housing overhead panel 2 is installed. Here a display 61 and a keyboard serving as input mechanism 62 are visible on the top side 6 of the franking machine. For ergonomic reasons input modes remain unused, which would be offered with another organization of the keyboard field. The place on the key mat is... minutes run off on basis of digital signatures, whereby the messages are coded in key sequences. This kind of the identification is favourable, if the franking machine already inserted a test code for a digital signature system. The sequences of unused keys can be defined in such a way that cryptographic challenge... Description (German)

Dialog Link: Order File History

23/3,K/2 (Item 2 from file: 324)

DIALOG(R)File 324: GERMAN PATENTS FULLTEXT

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Verfahren und Anordnung zur Steuerung der Nutzung einer vom Postsystem bereitgestellten Dienstleistung zur Verfolgung und Überwachung von Postsendungen
Procedure and arrangement for the controlling of the use of a service made available by the post office system for the pursuit and monitoring of mails

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Fulltext Availability: Description (English machine translation) Claims (English machine translation) Description (German) **Description** (English machine translation)...office markets, in which post office companies make information available about the transport of letters, packages. It is in particular for the use of service **devices, franking machines** and/or postal treatment **machines** or computers with post office processing function (PC Frankierer) or another suitable equipment being suitable, for the creation of an interface to an entitled one... ..option for separate shipments. This pull procedure is impractical, if larger quantities of mails are sent away, as it is usual with the enterprise of **franking machines**. A customer is difficult to communicate only some from the multiplicity of his by machine franked transmissions over a single inquiry by WWW (World... ..in order to accomplish a rendition. The technical format of the report depends on whether the report will transfer to a PC Frankierer, to a **franking machine** or to another post office processing machine. The expenditure in the service center and/or for the Dienstleister is high by the necessity for a... ..query transportation data to individual transmissions themselves now a post office customer can due to the application program, i.e. without separate user inquiry, of his **franking machine** or a suitable communication terminal collected PTI evaluated, prepared and indicated get. A post office customer has further the possibility of being marked certain transmissions... ..PTI then in the process of the transport and about their whereabouts is up-to-date informed, for example by reports by display of his **franking machine, by email or by SMS by means of a portable radio telephone**. The procedure for the controlling of the use of a service made available... ..basis the figures are more near represented in the unteranspruchen. Show: Fig. 1, franking casting according to DPAG requirements, Fig. 2, primary system with a franking machine for franking a Briefkuvertes with a print format of a post office carrier with imprinted additional information, Fig. 3, flow chart of the primary system after Fig... ..2D-Barcode) 17 for the verification of the normal payment of the transport fee of piece of post office. The Fig. a primary system with a franking machine points 2 to franking a Briefkuvertes with a print format of a post office carrier with imprinted additional information. Primary system consists of a franking machine 110 on the customer side and/or at the customer place 100, which is kommunikativ connected by a modem connection 140 with a data center 210 of the franking machine manufacturer at a distant second place 200. The data center 210 of the manufacturer again stands over a data link 250 with a post valley... ..which are used anyway for franking, i.e. planning a separate data field in one otherwise for other purposes used bar code. The controlling of the franking machine and/or equivalent equipment for the production of applicable mail identification data takes place in accordance with an application program. The franking machines apply SID's machine-readable as bar code, ocr, or the like on mails, so that the post valley Tracking system can error free read these and after admission... ..to its feed PTI provide and over the connection 250 to the manufacturer data center 210 supply can. In an alternative - not shown -

variant the franking machine is replaced, for example by another post office working on equipment to a so-called PC Frankierer. A PC equipped with a entsprechenden application program and modem is connected thereby with a commercial printer. In an alternative - not shown - variant the franking machine first service equipment is kommunikativ connected and with second service equipment, whereby the latter is intended for communication with a distant service server. The franking machine 110 and/or the PC Frankierer or the service equipment is equipped in addition with an application program and by data processing means trains favourably... notification over the reached condition during the execution of the order for mailing by a post office carrier at the disposal. The user of a franking machine 110 selects determined transmissions at the user interface before or transmissions which can be pursued during freeing as, by setting a Alert flag for these transmissions. This can take place in or several of the following modes of operation: A) in continuous operation sets a franking machine 110 in principle always a Alert flag for all kinds of transmission, for which the PTI can be made available by the post valley Tracking system... for which the post valley Tracking system PTI to make available can. Subsequently, the user a Alert sets flag for the whole pile, whereupon the franking machine sets 110 automatically a Alert flag for each transmission of the pile. C) in the interactive enterprise is queried over the user interface whether a service... possible time window or for a kind of transmission, for which no transmission pursuit information is callable, can be recognized and ignored automatically by the franking machine 110. Successful triggering of the TRACE key can be confirmed to the user by optical or acoustic signalling. The franking machine 110 impresses a transmission ID (short SID) to each transmission, for which a Alert flag was set. Transmission IDs are at least clear within one from the postbehoerde to time window which can be defined, in the post office market concerned (over all franking machines manufacturers and all franking machines) during this time window for at the most only one transmission are thus used. The SID can be part of the franking note or print separately and is preferably machine-readable. The SID can have been produced 1a) from the franking machine 110 or have been produced for 1b) from the manufacturer data center 210 and have been received from the franking machine 110. In both cases clarity can be guaranteed. In the first case by inclusion of a clear franking machine identification, in the second case by central alignment in the manufacturer data center 210. In both cases can be determined in the manufacturer data center 210 for each assigned SID clearly, by which franking machine 110 this was printed. In the case 1a) by one examines, which franking machine identification is contained of the SID in. In the case 1b) as the manufacturer data center 210 in a data base of a service server stores the information, to which franking machine 110 which SIDs was assigned. In a franking machine 110 optionally a condition (Alert condition) can be stored into a memory for each transmission, to which the data processing means respond and which defines conditions... that the user from a number of offered signaling conditions can select. In the second step B franking and producing data records take place. The franking machine 110 registers and stores for every transmission the selected SID the franking date, the franking time and the kind of transmission (writing, package, etc.), which can... manufacturer data center 210 can query the PTI as follows with the post valley Tracking system: a) for blocks of all SIDs, in which the franking machine IDs occurs, which of the manufacturer concerned data center (210) to be supported (corresponds to case 1a of the step A) or 4b) individually for each... PTI from the service server takes place to the service equipment of the user. The manufacturer data center 210 sorts and stores the PTI after franking machine ID and loads each time, if a franking machine 110 with the manufacturer data center 210 kommuniziert, the appropriate PTI into the respective franking machine 110 down (increase in value!). Communication with a

franking machine 110 can be caused by a) the franking machine 110 with call of a distant service e.g. PVD (pos days VALUE Download), or 5b) by the franking machine 110 with explicit call of the PTI (mail transportation pursuit information), 5c) by the franking machine 110 implicitly each time, if a new block of SIDs of the manufacturer data center 210 is called up (corresponds only to case 1b von Schritt 1), 5c) by manufacturers the data center 210 time near, if a current PTI is present in each case. This option presupposes that the franking machine 110 can be called over its own telephone number. In each case a modem connection between manufacturer data center and franking machine 110, over which messages in manufacturer-specific or standardized minutes (e.g. SMS) can be conveyed, in order afterwards in the franking machine 110 or an attached peripheral device (e.g. a balance) consists to be brought to 210 to the announcement. In the sixth step F a data alignment and a signaling are intended by service equipment of the user. In the franking machine 110 now the dispatching data stored in the second step B (SIDs, franking date, franking time, kind of transmission) brought in connection with the PTI... ..conditions examined, whose Alert flag is still set, and in accordance with the respective Alert condition brought to the announcement. In an alternative version a franking machine is connected with an additional administration PC. In particular for the customer inputs in step A) or additional corrections as well as occasionally the necessary administration of the customer attitudes (e.g. manual resetting of Alert flag) optionally a personal computer with communication interface can be used to the franking machine, if this offers a simplified handling and more overview by more comfortable and more efficient input and indicator possibilities. The Fig. a flow chart shows... ..the controlling and use of a service for the pursuit and monitoring of mails, made available by the post office system, is preferably in a franking machine realized. The evaluation of the input takes place via data processing means, like for example via a control unit of the franking machine. In the step a2 the control unit of the franking machine registers an Alert flag input for the current transmission, favourably in a defined time interval before franking. The control unit of the franking machine generated then according to a step A3 a SID for the current transmission and compelled in accordance with a step A4 the casting of the... ..on the surface of the current transmission together and/or in the same work procedure with franking. In the step A5 the control unit of the franking machine produces a data record with the SID, with date and franking time. In the optional step A6 the control unit of the franking machine the data record adds the Default/Alert condition and/or the Alert method in accordance with an input or automatically. In the step A7 the control unit of the franking machine writes a new data record into a non volatile memory. With the execution variant described above existing Hardware and software means of a franking machine is used favourably on the one hand and the possibilities of the datenzentrale with the franking machine manufacturer on the other hand as well as the possibilities of the post office data center of the post office carrier. Cost and time-consuming PTI inquiry with the post office data center is automated and left to a server of the datenzentrale with the franking machine manufacturer, that sorts and for it waits the PTI according to franking machine frankiermaschinen-Seriennummern to download the data with occasional communication with the users into the franking machine i.e. without thereby the users are troubled. The routine contained in the application program runs off completely in the background. In that in the... ..primary system with on-line feedback is described. A larger attention of the user is reached, as the machine to applying the mail identification is a franking machine and the service equipment a separate communication terminal. Additionally an on-line interface 150 to the manufacturer data center 210 exists, so that the user... ..B Organizer 111, B Pager 112, B Telephone with answering set/language box 113, B PC with email function 114, B Mobile telephone 115, B Franking machine

110. Or several of these or other terminals can be directly at the physical interface 150 or over a gateway (not shown) attached, if the... for example with a server cluster a modem server 230 or a similar communications equipment, in order to be attainable for the modems of the franking machines over the telephone network 140, as well as a data base management system (DBMS) 240 to collect in order to prepare from the post valley... the fourth step D is extended by a transmission-referred evaluation for each service equipment. The transmission-referred evaluation for example for each sender and/or franking machine takes place in the basic procedure after Fig. 3 only in the sixth step F at the place 100 of franking in the service equipment and/or in the franking machine 110. In contrast to this this now already happens, in the fourth step D also in the manufacturer data center 210. E walked: In addition... PC with file transfer function The manufacturer data center 210 makes a listing available, which assistance file transfer of minutes (File Transfer Protocol) for each franking machine over the InterNet can be accessed. The listings can be designated in each case after the franking machines, whose PTI is to contain them later. Each franking machine is identifiable over a serial number. The PTI is prepared by the manufacturer data center 210 into a text/graphics file and put down in the appropriate... temporal intervals or if necessary of the manufacturer data center on its PC 114, with whose assistance the files can be read and/or printed out. Franking machine If the franking machine offers a serial or parallel interface 118 to a PC 114, then a PC 114 with email or file transfer function is used. After receipt of current PTI in the PC 114 this transfers the PTI over a communication interface 118 to the franking machine concerned 110, in order to bring it there to the announcement. Alternatively it is intended that the function of the communication terminal 111, 112, 113, 114, 115 into the service equipment 110 is integrated, which even already network connection and InterNet ability offer. Thus if a franking machine offers already network connection and InterNet ability, so that it is equipped via InterNet already with email or file transfer function, then the PC 114... and described by the direct connection 117 between franking machine and interface 150, whereby the latter is realized by the InterNet. On messages arrived again the franking machine can make additionally by an acoustic message attentive. F walked: remains unchanged in relation to the basic procedure. On the basis the Fig. 6 a primary... SAP) with the user, as similar to the way already described an on-line communication interface is used to the manufacturer data center 210. The franking machine 110 is connected by a communication interface 116 with a franking machine support personal computer 120, which possesses again an on-line communication interface 150 to the manufacturer data center 210. The franking machine support PC 120 has to do after nothing with the administration PC, which was suggested above in the preceding remark example (Fig. 2) as an... interface 125 to the order management system 130 of the user to its function. If both functions are desired, then it is intended that the franking machine support and administration functions on the same physical personal computer are present implemented. A walked: In this step the impact proceeds for setting Alert flag... processing installations the composition of transmissions, e.g. writing down with form and credit card, in envelopes and their supply can be steered into the franking machine 110 central by a computer, so that an integration is obvious into an order management of the customer. If such a post office processing installation is not available, then a franking machine can be integrated, as follows into an order management system. In step A the franking machine 110 in the batch processing works, so that for each transmission one of the user of prepared pile, a Alert flag is set. For the linkage of an order number with the associated transmission ID, which is used by the franking machine 110, we regard two equipment variants of the franking machine in the step B: With or without inserted scanner, which can read off suitably coded information

from an envelope. B walked: Additionally to the storage of the transmission-referred data the franking machine 110 conveys these transmission-referred data to the FM support PC, which passes it on to the order management system. T here they are linked with the appropriate order dates. Franking machine without scanner (conventional equipment) In the case of this equipment the user prepares a pile transmissions, whose dispatch he would like to pursue. He selects... ..package, etc.) is conveyed out in each case, to Alert flag and Alert Method, which was produced for the transmissions of the finished pile by the franking machine 110, by the franking machine 110 over the interface 116 to the FM support PC 120. The FM support PC continues to convey the list of the received data records to the management system, where they are assigned to the appropriate orders in accordance with their order. Franking machine with scanner (equipment extended) In the case of this equipment the user prepares likewise a pile transmissions, whose dispatch he would like to pursue. With the production... ..afterwards the data record from order number, SID, franking date, franking time, kind of transmission (writing, package, etc.), Alert flag and Alert Method in the franking machine 110. The data records are conveyed over the interface 116 to the FM support PC 120 and passed on from there over the interface 125... ..order the management system 130. The Uebermittlung can take place for each data record immediately or in collected form, whereby several data records in the franking machine 110 and/or in the FM support PC are collected and afterwards packetwise is conveyed to order the management system. C walked: remains unchanged in relation to the basic procedure. D walked: remains unchanged. E walked: In alteration of the basic procedure here not the franking machine 110 receives the PTI, but the FM support PC, as it is given by the Alert Method. Technically this can take place by means of... ..concerning the retarded transport of piece of post office takes place. In an execution variant it is intended that the service equipment 110 is a franking machine and that the data processing means include a control unit of the franking machine. The franking machine exhibits a first selection means, which serves for the selection of printing a section of the print format, which contains the mail identification. The first... ..section 15 is printed to a second position. In an alternative execution variant it is intended that the machine to applying the mail identification a franking machine and that the service equipment a separate communication terminal is. In a further alternative execution variant it is intended that the service equipment is a personal... ..means include a control unit of the personal computer. The personal computer 120 is on the one hand by a first interface 116 with a franking machine 110 and on the other hand by a second interface 125 with an order management system 130 is communication-moderately connected, whereby the personal computer 120 exhibits a franking machine support function. That is not to be excluded also the variant that franking machine support and administration functions on the same physical personal computer are present implemented. In the Fig. 7 is represented control members of service equipment, their... ..30 and a non volatile memory 20 are operationally connected with the data processing means 2 and the user interface 4. As previously mentioned, a < B> franking machine is equipped with a such arrangement at control members for example, whose user interface consists of the components display 10 and the input 40. At... ..for individual mails a Alert flag. In the following some remark examples are indicated: B Separate physical key integrates into the key field of the franking machine, B Separate virtual key integrates into a Touchscreen, B Key for abbreviated dialing, B Separate Touchpad or physical key in spatial proximity to the letter... ..processing of mail transportation pursuit information (PTI) second control 42 are intended. By such and others - not mentioned - control elements a Iso a selection switch 119 for franking machines 110 can be realized, that in Fig. 5 represented is only symbolic. The volatile memory serves for the temporary data processing during the letter

processing or PTI evaluation. The data processing means 2 are connected to a Beeper with a signal element 80, for example. In addition the franking machine a communication interface has 30, with that it a connection to the manufacturer data center 210 to construct can or a connection to a FM... ..final customers: In an execution variant of the type Y1) with call forwarding the franking machine is informed by the data center, as soon as the franking machine made a modem connection to the data center. The franking machine is attached (i) over a serial cable or a local network to one or more PC's and signals the feedback information over these PC(s). The franking machine leads the call over its modem interface on-line or time-delayed far to another terminal according to option of the customer, which has a telephone connection. This variant is technically seen more near because of the execution variants to Fig. 2, because the connection between data center and the franking machine of FM is initiated also here by the user. In another execution variant of the type Y2) a change-over software is in the data center... ..represents the PTI and/or feedback information either even, and/or passes it on to from the customer in advance selected terminal. As for example: Franking machine or Organizer, which is attached over a serial cable or a local network, other terminals with telephone connection and can by the modem of the... Description (German) Claims (English machine translation)... upon time window a Nichtempfangen of a PTI is determined. 24. Arrangement, according to requirement 22, by the fact characterized that the service equipment is a franking machine (110), whose control unit the data processing means (2) include and which are connected with printer means. 25. Arrangement, according to requirement 24, by it... ..15) is printed to a second position. 27. Arrangement, according to requirement 21, by the fact characterized that the machine to applying the mail identification a franking machine and that the service equipment a separate communication terminal is. 28. Arrangement, according to requirement 22, by the fact characterized that the service equipment is a... ..to requirement 28, by the fact characterized that on the one hand the personal computer (120) is communication-moderately connected by a first interface (116) with a franking machine (110) and on the other hand by a second interface (125) with an order management system (130), whereby the personal computer (120) exhibits a franking machine support function. 30. Arrangement, according to requirement 28, by the fact characterized that franking machine support and administration functions on the same physical personal computer are present implemented. 31. Arrangement, according to requirement 21, by the fact characterized that the machine to applying the mail identification a franking machine and that the service equipment a personal computer is that the franking machine transfers a received current PTI over a communication interface (118) to the personal computer, which has a Bildschirm, over it to the announcement to bring and... Claims (German)

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23/3K/3 (Item 1 from file: 348)

DIALOG(R) File 348: EUROPEAN PATENTS

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02540814

Method for authenticated transfer of a personalised database or program to a hardware security module, in particular a franking machine

Verfahren zur authentisierten Übermittlung eines personalisierten Datensatzes oder Programms an ein Hardware-Sicherheitsmodul, insbesondere einer Frankiermaschine

Procede de transmission authentifiee d'un ensemble de donnees ou d'un programme personnalise vers un module de securite materiel, en particulier une affranchisseuse
 Method for authenticated transfer of a personalised database or program to a hardware security module, in particular a **franking machine**

Patent Assignee:

- **Francotyp-Postalia GmbH; (7150830)**
 Triftweg 21-26; 16547 Birkenwerder; (DE)
 (Applicant designated States: all)

Inventor:

- **Bleumer, Gerrit**
 Mozartstr. 1; 16552 Schildow; (DE)
- **Bleumer, Gerrit**
 ; ;

Legal Representative:

- **Jungblut, Bernhard Jakob et al (9250901)**
 JUNGBLUT & SEUSS Patentanwalte Max-Dohrn-Strasse 10; 10589 Berlin; (DE)

	Country	Number	Kind	Date	
Patent	EP	1967976	A2	20080910	(Basic)
Application	EP	2008075093		20080206	
Priorities	DE	102007011309		20070306	

Designated States:

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
 FI; FR; GB; GR; HR; HU; IE; IS; IT; LI;
 LT; LU; LV; MC; MT; NL; NO; PL; PT; RO;
 SE; SI; SK; TR;

Extended Designated States:

AL; BA; MK; RS;

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0021/00	A	I	F	B	20060101	20080616	H	EP
G06F-0021/20	A	I	L	B	20060101	20080616	H	EP
G06F-0021/00	A	I	F	B	20060101	20080616	H	EP... ..G06F-

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
								0021/20

Abstract Word Count: 49

NOTE: 1

NOTE: Figure number on first page: 1

Legal Status	Type	Pub. Date	Kind	Text
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Language Publication: German

Procedural: German

Application: German

Fulltext Availability	Available Text	Language	Update	Word Count
CLAIMS A		(German)	200837	1529
SPEC A		(German)	200837	4134
Total Word Count (Document A) 5663				
Total Word Count (Document B) 0				
Total Word Count (All Documents) 5663				

Dialog eLink: [Order File History](#)

23/3K/4 (Item 2 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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02267621

Method and apparatus providing security relevant services by a security module of a franking machine

Verfahren und Anordnung zum Bereitstellen sicherheitsrelevanter Dienste durch ein Sicherheitsmodul einer Frankiermaschine

Procédé et dispositif pour fournir des services liés à la sécurité par un module de sécurité d'une machine d'affranchissement

Method and apparatus providing security relevant services by a security module of a **franking machine**

Patent Assignee:

- **Francotyp-Postalia GmbH;** (7150830)
Triftweg 21-26; 16547 Birkenwerder; (DE)
(Applicant designated States: all)

Inventor:

- **Bleumer, Gerrit**
Mozartstrasse 1; 16552, Schildow; (DE)
- **Heinrich, Clemens**
Gosslerstrasse 20; 12191, Berlin; (DE)
- **Bleumer, Gerrit**
;;

Legal Representative:

- **Cohausz & Florack (102841)**
Patent- und Rechtsanwälte Bleichstrasse 14; 40211 Dusseldorf; (DE)

	Country	Number	Kind	Date	
Patent	EP	1801724	A2	20070627	(Basic)
	EP	1801724	A3	20080709	
Application	EP	2006126878		20061221	
Priorities	DE	102005061686		20051221	

Designated States:

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; HU; IE; IS; IT; LI; LT;
LU; LV; MC; NL; PL; PT; RO; SE; SI; SK;
TR;

Extended Designated States:

AL; BA; HR; MK; RS;

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0021/00	A	I	F	B	20060101	20070510	H	EP
G07B-0017/04	A	N	L	B	20060101	20080602	H	EP
G06F-0021/00	A	I	F	B	20060101	20070510	H	EP...

Abstract Word Count: 94

NOTE: 2

NOTE: Figure number on first page: 2

Legal Status Type	Pub. Date	Kind	Text
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Language Publication: German

Procedural: German

Application: German

Fulltext Availability Available Text	Language	Update	Word Count
CLAIMS A	(German)	200726	2065

Fulltext Availability	Available Text	Language	Update	Word Count
SPEC A		(German)	200726	6308
Total Word Count (Document A) 8375				
Total Word Count (Document B) 0				
Total Word Count (All Documents) 8375				

Dialog eLink: [Order File History](#)

23/3,K/5 (Item 1 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0018152129 *Drawing available*

WPI Acc no: 2008-K72457/200864

XRPX Acc No: N2008-785580

Method for authenticate transmission of data record or program of host on hardware security module, involves determining three hardware security module-individual fixed codes at system production site

Patent Assignee: FRANCOTYP-POSTALIA GMBH (FRAN-N); BLEUMER G (BLEU-I)

Inventor: **BLEUMER G**

Patent Family (5 patents, 40 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 102007011309	A1	20080911	DE 102007011309	A	20070306	200864	B
CA 2623556	A1	20080906	CA 2623556	A	20080228	200864	E
EP 1967976	A2	20080910	EP 200875093	A	20080206	200864	E
US 20080271144	A1	20081030	US 200834768	A	20080221	200874	E
DE 102007011309	B4	20081120	DE 102007011309	A	20070306	200879	E

Priority Applications (no., kind, date): DE 102007011309 A 20070306

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
DE 102007011309	A1	DE	15	2	
CA 2623556	A1	EN			
EP 1967976	A2	DE			
Regional Designated States, Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR				

...**Original Titles:**Method for authenticated transfer of a personalised database or program to a hardware security module, in particular a **franking machine**METHOD FOR THE AUTHENTICATED TRANSMISSION OF A PERSONALIZED DATA SET OR PROGRAM TO A HARDWARE SECURITY MODULE IN PARTICULAR OF A **FRANKING MACHINE** Inventor: **BLEUMER G** Class Codes International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0021/00...** ...**G06F-0021/20...** ...**G06F-0021/24 G06F-0021/00...** Original Publication Data by AuthorityArgentinaPublication No. Inventor name & address:**BLEUMER G...**...**Bleumer, Gerrit, Dr., 16552 Schildow, DE...** ...**Bleumer, Gerrit, Dr., 16552 Schildow, DE...** ...**Bleumer, Gerrit...** ...**Bleumer, Gerrit** ...**Original Abstracts:**In a method and arrangement for authenticated transmission of a personalized data set or program to a hardware security module in a **device** such as a **franking machine**, a system manufacturer buys security modules, from a security module manufacturer and incorporate the security modules at a production site in the device and loads...

Dialog eLink: [Order File History](#)

23/3,K/6 (Item 2 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0016859897 *Drawing available*

WPI Acc no: 2007-574957/200756

XRPX Acc No: N2007-443818

Security relevant service e.g. generation of digital certificate, providing method for franking machine, involves requesting security relevant service from module by application, where module verifies authorization for request of service

Patent Assignee: BLEUMER G (BLEU-I); FRANCO TYP-POSTALIA GMBH (FRAN-N); HEINRICH C (HEIN-I)

Inventor: **BLEUMER G; HEINRICH C**

Patent Family (4 patents, 38 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1801724	A2	20070627	EP 2006126878	A	20061221	200756	B
DE 102005061686	A1	20070628	DE 102005061686	A	20051221	200756	E
US 20070156605	A1	20070705	US 2006642122	A	20061220	200756	E
EP 1801724	A3	20080709				200847	E

Priority Applications (no., kind, date): DE 102005061686 A 20051221

EP 1801724	A3	DE Patent Details	
Regional Designated States, Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR	Regional Designated States, Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR

Security relevant service e.g. generation of digital certificate, providing method for franking machine, involves requesting security relevant service from module by application, where module verifies authorization for request of service ...**Original Titles:**Method and apparatus providing security relevant services by a security module of a **franking machine**Method and arrangement for provision of security relevant services via a security module of a **franking machine** Inventor: **BLEUMER G...** **Alerting Abstract** ...**NOVELTY** - The method involves providing a data processing device for performing data processing, where the **device** is connected with a **franking machine**. A security relevant service is requested from a security module of the machine by an application, and the security module provides the service. The security... .. an arrangement for data processing a **franking machine** for the arrangement for data processing a data processing device for the arrangement for data processing an application for processing of data... .. code word, cryptographic code and digital signature, and protection of data against unauthorized access, unauthorized searching and unrecognized manipulation, by a security module of a **franking machine** for an application for data processing... .. for the request of the service by the application, thus enabling better utilization of safety regulations, and providing an economic postal security module for the **franking machine**.**Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0017/00**... ..**G06F-0021/00** **G06F-0017/00**... ..**G06F-0021/00**... ..**G06F-0021/00** Original Publication Data by AuthorityArgentina**Publication No.** Inventor name & address:**Bleumer, Gerrit, Dr., 16552 Schildow, DE**... ..**Bleumer, Gerrit**... ..**Bleumer, Gerrit** ..**Original Abstracts:**In a method and an arrangement for provision of at least one secured service via a security module of a **franking machine** for at least one procedure for data processing that is executed in a data processing device that can be connected with the **franking machine**, the procedure requests a secured first service from the security module in a request step; and the security module provides the first service in a... ..**Claims:**We claim as our invention:1. A method for providing at least one secured service via a security module of a **franking machine** for at least one procedure for data processing that is executed in a data processing **device** associated with the **franking machine**, comprising the steps of:in a request step, requesting, from the procedure, a secured service from the security module;in a verification step, verifying, in...

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23/3,K/7 (Item 3 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0016409892 *Drawing available*

WPI Acc no: 2007-126064/200713

XRPX Acc No: N2007-088934

End-user terminal e.g. franking machine, test system, has central processing unit connected with special interface by which test input signals which are simulated in test case are transmitted to internal interface of end-user terminal

Patent Assignee: FRANCOTYP-POSTALIA GMBH (FRAN-N)

Inventor: **BLEUMER G; SCHWARZ S**

Patent Family (4 patents, 38 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 102005038151	B3	20070208	DE 102005038151	A	20050812	200713	B
EP 1752876	A2	20070214	EP 200676467	A	20060721	200715	E
US 20070038583	A1	20070215	US 2006485120	A	20060712	200715	E
EP 1752876	A3	20080716	EP 200676467	A	20060721	200849	E

Priority Applications (no., kind, date): DE 102005038151 A 20050812

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
DE 102005038151	B3	DE	21	9	
EP 1752876	A2	DE			
Regional Designated States,Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU				
EP 1752876	A3	DE			
Regional Designated States,Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO RS SE SI SK TR				

End-user terminal e.g. franking machine, test system, has central processing unit connected with special interface by which test input signals which are simulated in test case are transmitted to internal ... Inventor: **BLEUMER G... Alerting Abstract ...** USE - Used for an end-user terminal (claimed) e.g. **franking machine** of the type **Jetmail** (RTM: Not defined), booking or post processing device for post mail... **Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0011/22... ..G06F-0011/263... ..G06F-0017/00... ..G06F-0009/445 G06F-0011/22... ..G06F-0011/263... ..G06F-0017/00... ..G06F-0009/445** Original Publication Data by Authority **Argentina** Publication No. Inventor name & address: **Bleumer, Gerrit, Dr., 16552 Schildow, DE... ..Bleumer, Gerrit, Dr... ..Bleumer, Gerrit**

Dialog eLink: [Order File History](#)

23/3,K/8 (Item 4 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0015523616 *Drawing available*

WPI Acc no: 2006-087764/200609

XRPX Acc No: N2006-076260

Method for compensating user of franking machine, involves detecting error event associated with billed but unusably printed franking imprint having postage value for transmitting error

information to repayment entity

Patent Assignee: BLEUMER G (BLEU-I); FRANCOTYP-POSTALIA & CO AG KG (FRAN-N);
 FRANCOTYP-POSTALIA BETEILIGUNGS AG (FRAN-N); FRANCOTYP-POSTALIA GMBH
 (FRAN-N)

Inventor: **BLEUMER G**

Patent Family (4 patents, 38 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20060004676	A1	20060105	US 2005170642	A	20050629	200609	B
DE 102004032323	A1	20060126	DE 102004032323	A	20040702	200609	E
EP 1619630	A2	20060125	EP 200513746	A	20050625	200609	E
CA 2511279	A1	20060102	CA 2511279	A	20050630	200613	E

Priority Applications (no., kind, date): DE 102004032323 A 20040702

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20060004676	A1	EN	13	4	
EP 1619630	A2	DE			
Regional Designated States,Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU				
CA 2511279	A1	EN			

Method for compensating user of franking machine, involves detecting error event associated with billed but unusably printed franking imprint having postage value for transmitting error information to repayment entity ...Original Titles:Method and arrangement for compensating a postage machine user for printed and billed, but unusable **franking imprints** Inventor: **BLEUMER G**
Alerting Abstract ...NOVELTY - An error event associated with billed but unusably printed **franking imprint** having a postage value is detected. The error information is stored and error amount is increased in the information by the postage value. The error... **franking machine; and mail processing arrangement...** **USE** - For compensating user of **franking machine** (claimed) like personal computer (PC) **franker** for postage value of unusably printer **franking imprint** associated with mail piece... **ADVANTAGE** - Enables reliable compensation of postage value for unusably printed **franking imprints**.Class Codes International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0017/00**... **G06F-0017/60** Original Publication Data by AuthorityArgentinaPublication No. Inventor name & address:**BLEUMER G**... **Bleumer, Gerrit, Dr., 16552 Schildow, DE**... **Bleumer, Gerrit, Dr**... **Bleumer, Gerrit** **Original Abstracts:**In a method for compensation of the first postage value of an unusable printed **franking imprint** billed in a billing module of a **franking** arrangement, the occurrence of the **unusable franking imprint** is detected as a first **error** event, error information associated with the **error event** is stored, and information derived from the error information is transmitted to a reimbursement entity for initiation of the reimbursement of the postage value. The... **Claims:**I claim as my invention:**1.** A method for compensating a user of a

franking arrangement for a postage value of a not usably printed **franking imprint**, that has been automatically billed to the user, comprising the steps of:(a) detecting, as an error event, an occurrence of a billed but not usably printed **franking imprint** having a postage value;(b) electronically storing error information associated with the said error event, and incrementing error amount information in said error information by said postage value; and(c) transmitting said error information, **including said error amount information**, to a reimbursement entity, remote from said franking arrangement and, at said reimbursement entity, initiating reimbursement of said user for said postage value represented in said **error amount** information.

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23/3,K/9 (Item 5 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0015310113 *Drawing available*

WPI Acc no: 2005-660316/200568

XRPX Acc No: N2005-540919

Postal system service utilization controlling method for monitoring e.g. letter, involves processing and sending data of postal items transport processing information to user who is notified through signaling of presentation of information

Patent Assignee: FRANCOTYP-POSTALIA & CO AG KG (FRAN-N)

Inventor: **BLEUMER G**

Patent Family (3 patents, 37 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1577839	A2	20050921	EP 20053806	A	20050223	200568	B
DE 102004014428	A1	20051013	DE 102004014428	A	20040319	200568	E
US 20050209978	A1	20050922	US 200557357	A	20050214	200568	E

Priority Applications (no., kind, date): DE 102004014428 A 20040319

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 1577839	A2	EN	19	7	
Regional Designated States, Original	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU				

Inventor: **BLEUMER G** Alerting Abstract ...DESCRIPTION OF DRAWINGS - The drawing shows a basic system with a **franking machine** for **franking** envelopes with imprinted additional information...
 ...110 **Franking machine** Class Codes International Patent Classification IPC Class Level Scope
 Position Status Version Date **G06F-017/60** **G06F-0017/00...** **G06F-0017/00...** Original Publication

Data by AuthorityArgentina**Publication No.** Inventor name & address:**Bleumer, Gerrit, Dr., 16552 Schildow, DE...**...**Bleumer, Gerrit, Dr...**...**Bleumer, Gerrit ...Claims:**device, including pre-setting of signaling conditions;B) in said service device at said first location, generating and storing a dataset, including said signaling conditions, **upon franking** of a mail piece at said service device, including applying a postal shipment identification (SID) to said mail piece;C) causing said mail piece to...

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23/3.K/10 (Item 6 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0014463502 *Drawing available*

WPI Acc no: 2004-654807/200464

XRFX Acc No: N2004-518129

Data secure exchange method between two postage metering data-processing units uses secure communications channel between data-processing units to deliver first message between them
Patent Assignee: BLEUMER G (BLEU-I); FRANCOTYP-POSTALIA & CO AG KG (FRAN-N)
Inventor: BLEUMER G

Patent Family (4 patents, 34 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1455311	A2	20040908	EP 200490094	A	20040305	200464	B
DE 10309817	A1	20040923	DE 10309817	A	20030305	200464	E
US 20040230798	A1	20041118	US 2004794754	A	20040305	200477	E
US 7437756	B2	20081014	US 2004794754	A	20040305	200868	E

Priority Applications (no., kind, date): DE 10309817 A 20030305

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 1455311	A2	DE	17	2	
Regional Designated States, Original	AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR				

Inventor: **BLEUMER G Alerting Abstract ... USE** - For data exchange between two or more data-processing units, e.g. as **franking machine/postage meter machine** accounting units storing available credit... ... 1 First data-processing unit/**franking machine Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0017/30... G06F-0017/30...**
Original Publication Data by AuthorityArgentinaPublication No. Inventor name & address:**Bleumer, Gerrit, 16552 Schildow, DE...**...**Bleumer, Gerrit...**...**Bleumer, Gerrit...Bleumer, Gerrit**

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23/3,K/11 (Item 7 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0014463501 *Drawing available*

WPI Acc no: 2004-654806/200464

XRPX Acc No: N2004-518128

Data exchange method between two postage metering data-processing units uses second data-processing unit with status information on first data-processing unit

Patent Assignee: BLEUMER G (BLEU-I); FRANCO TYP-POSTALIA & CO AG KG (FRAN-N); HEINRICH C (HEIN-I)

Inventor: **BLEUMER G; CLEMENS H; HEINRICH C**

Patent Family (3 patents, 34 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1455310	A2	20040908	EP 200490093	A	20040305	200464	B
DE 10309815	A1	20040923	DE 10309815	A	20030305	200464	E
US 20040230622	A1	20041118	US 2004794193	A	20040305	200477	E

Priority Applications (no., kind, date): DE 10309815 A 20030305

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 1455310	A2	DE	25	5	
Regional Designated States,Original	AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR				

Inventor: **BLEUMER G... Alerting Abstract** ...First (1) and second (2) data-processing units (DPU) intercommunicate via a communications connection (3). The first DPU comprises a security module (SM) for a **franking machine** (FM) (4). The second DPU is a remote data main frame operated by the producer of the FM. The SM includes a first processing device.... USE - For data exchange between two or more data-processing units, e.g. as **franking machine/postage meter machine** accounting units storing **available credit**.... 4 **Franking machine/postage meter machine Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date **G06F-0011/14... G06F-0011/14...** Original Publication Data by AuthorityArgentinaPublication No. Inventor name & address:**Bleumer, Gerrit, 16552 Schildow, DE...** **Bleumer, Gerrit...** **Bleumer, Gerrit**

Dialog eLink: [Order File History](#)

23/3,K/12 (Item 8 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0010769251 *Drawing available*

WPI Acc no: 2001-383629/200141

XRPX Acc No: N2001-281522

Franking method involves using distinguishable individual date stamps with electronic payments to enable checking for multiple uses of electronic payments and/or date stamps

Patent Assignee: BLEUMER G (BLEU-D); FRANCOTYP-POSTALIA & CO AG (FRAN-N);

FRANCOTYP-POSTALIA GMBH (FRAN-N); FRANCOTYP-POSTALIA&CO AG (FRAN-N)

Inventor: **BLEUMER G**

Patent Family (6 patents, 26 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1107190	A1	20010613	EP 2000118472	A	20000825	200141	B
DE 19958721	A1	20010712	DE 19958721	A	19991206	200147	E
US 20020035547	A1	20020321	US 2000728741	A	20001201	200224	E
EP 1107190	B1	20060215	EP 2000118472	A	20000825	200614	E
DE 50012218	G	20060420	DE 50012218	A	20000825	200629	E
			EP 2000118472	A	20000825		
US 7496538	B2	20090224	US 2000728741	A	20001201	200918	E

Priority Applications (no., kind, date): DE 19958721 A 19991206; EP 2000118472 A 20000825

Patent Details						
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes	
EP 1107190	A1	DE	18	7		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
EP 1107190	B1	DE				
Regional Designated States,Original	CH DE FR GB IT LI					
DE 50012218	G	DE			Application	EP 2000118472
					Based on OPI patent	EP 1107190

...**Original Titles:**Method and machine for frankingMethod and machine for franking ...

...**Franking method and apparatus** Franking method and apparatus Inventor: **BLEUMER G**

Alerting Abstract ...NOVELTY - The method involves storing postal charges in a **franking machine** in the form of postal charge units and applying a machine-readable date stamp

containing a distinguishable electronic payment to the postal item that is... DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: a system for implementing the

method and a **franking machine**. **Class Codes** International Patent Classification IPC Class Level Scope Position Status Version Date ...**G06F-0017/60** Original Publication Data by AuthorityArgentina**Publication No.** Inventor name & address:**Bleumer, Gerrit, 16727 Velten, DE...** ...**BLEUMER G...** ...**Bleumer, Gerrit...** ...**Bleumer, Gerrit...** ...**Bleumer, Gerrit...** ...**Bleumer, Gerrit** ...**Original Abstracts:**In a method and system and **franking apparatus** for **franking** postal matter and for inspection of the franking, postage fees are stored and debited in electronic form, and a fee stamp and a machine-readable... In a method and system and **franking apparatus** for **franking** postal matter and for inspection of the franking, postage fees are stored and debited in electronic form, and a fee stamp and a machine-readable...
Claims:A process for the **machine franking** of mail matter (8) and for checking the franking, postal charges being stored in electronic form in a **franking machine** as postal-charge units, and a machine-readable encrypted date mark containing an electronic coin being applied onto the mail item (8), an individual electronic coin being generated by the **franking machine** for each item of mail, said coin being capable of being distinguished from the electronic coins generated for other items of mail, and a check... I claim as my invention: 1. A method for **franking** postal matter in a **franking apparatus** and for inspecting the **franking**, comprising the steps of: electronically storing postage fee units as electronic coins, and debiting said electronic coins as said postage fee units are consumed; individualizing... I claim as my invention: 1. A system for **franking** postal matter with a **franking apparatus** and for inspecting the **franking** comprising: a **franking apparatus** that **franks** postal matter, having a printing unit a machine-readable date stamp onto items of postal matter, a central unit containing a fee module, storing and protocol with said **franking apparatus** that makes postage fee units electronically available to said **franking apparatus** as electronic coins each having unique coin identification information embodied therein, said electronic coins being entered in said communication protocol into said fee module of... unique coin identification information by said printing unit, to individualize the date stamp compared to other date stamps; and an inspection unit remote from said **franking apparatus** that inspects said items, including a memory that stores respective date stamps on successively inspected items of postal matter, by comparing the unique coin identification...

IV. Text Search Results from Dialog

A. Abstract Databases

File 8: Ei Compendex(R) 1884-2009/May W5
 (c) 2009 Elsevier Eng. Info. Inc.
 File 6: NTIS 1964-2009/Jun W2
 (c) 2009 NTIS, Intl Cpyright All Rights Res
 File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 2006 The Thomson Corp
 File 34: SciSearch(R) Cited Ref Sci 1990-2009/May W5
 (c) 2009 The Thomson Corp
 File 2: INSPEC 1898-2009/May W5
 (c) 2009 The IET
 File 35: Dissertation Abs Online 1861-2009/May
 (c) 2009 ProQuest Info&Learning
 File 65: Inside Conferences 1993-2009/Jun 08
 (c) 2009 BLDSC all rts. reserv.
 File 99: Wilson Appl. Sci & Tech Abs 1983-2009/May
 (c) 2009 The HW Wilson Co.
 File 474: New York Times Abs 1969-2009/Jun 08
 (c) 2009 The New York Times
 File 475: Wall Street Journal Abs 1973-2009/Jun 08
 (c) 2009 The New York Times
 File 583: Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 Gale/Cengage

? DS

Set	Items	Description
S1	113	(FRANKING OR FRANKS)(5N)(MACHINE? ? OR DEVICE? ? OR APPARATUS OR IMPRINT? ?)
S2	4	(POSTAL)(SECURITY)(3N)(DEVICE? ? OR APPARATUS OR MACHINE? ? OR METER? ? OR METRE? ?)
S3	263	(POSTAGE OR POSTAL)(3N)(METER? ? OR METRE? ? OR DEVICE OR - DEVICES OR INDICIA OR INDICTUM OR FRANK???)
S4	11	(S1:S3)(5N)(CRYPTO? OR ENCRYPT?)
S5	9	(S1:S3)(5N)(ENCOD? OR CODE? ? OR CODING?)
S6	10500	(ELECTRONIC OR DIGITAL OR DIGIT???) (SIGNATURE? ?)
S7	178197	SIGNATURE OR SIGNATURES
S8	3290	(S6:S7)(5N)(FIRST OR 1ST OR PRIMARY)
S9	1290	(S6:S7)(5N)(SECOND OR SECONDARY OR 2ND)
S10	7023	(S6:S7)(5N)(MULTI OR PLURAL? OR MANY OR SEVERAL OR MULTIPLE OR NUMEROUS)
S11	7993	DIFFERENT()ALGORITHM? ?
S12	1811	DIFFERENT() (FORMULA??? OR NUMERIC? ? OR NUMERAL? ? OR ALGEBRA OR LOGIC)
S13	21	(S11:S12)(5N)(CREATE OR CREATES OR CREATING)
S14	4	(S11:S12)(5N)CONFIGUR????
S15	29	AU=(BLEUMER, G? OR BLEUMER G? OR GERRIT(2N)BLEUMER)
S16	20	S4:S5
S17	0	S16 AND (S8:S10)
S18	0	S16 AND (S13:S14)
S19	15	RD S16 (unique items)
S20	0	(S1:S3) AND (S8:S10)

S21 0 (S1:S3) AND (S13:S14)
S22 1 S15 AND S16

?

19/3,K/1 (Item 1 from file: 8)
DIALOG(R)File 8; Ei Compendex(R)
(c) 2009 Elsevier Eng. Info. Inc. All rights reserved.

0013621740 **E.I. COMPENDEX No:** 1996323214429

Atomicity in electronic commerce

Tygar, J.D.

Corresp. Author/Affil: Tygar, J.D.; Carnegie Mellon Univ, Pittsburgh, United States

Conference Title: Proceedings of the 1996 15th Annual ACM Symposium on Principles of Distributed Computing

Conference Location: Philadelphia, PA, USA **Conference Date:** 19960523-19960526

E.I. Conference No.: 44773

Proceedings of the Annual ACM Symposium on Principles of Distributed Computing (Proc Annu ACM Symp Princ Distrib Comput) 1996 (8-26)

Publication Date: 19960101

Publisher: ACM

CODEN: 85LRA

Document Type: Conference Paper; Conference Proceeding **Record Type:** Abstract

Treatment: T; (Theoretical)

Language: English **Summary Language:** English

Number of References: 33

...pay special attention to the atomicity problems of proposals for digital cash. The paper present two examples of highly atomic electronic cash systems: NetBill and **Cryptographic Postage Indicia**.

Descriptors:

Identifiers: Atomicity; **Cryptographic postage indicia**; Electronic commerce; Netbill

Dialog eLink: [Check for PDF Download Availability and Purchase](#)

19/3,K/2 (Item 1 from file: 6)

DIALOG(R)File 6: NTIS

(c) 2009 NTIS, Intl Cpyrght All Rights Res. All rights reserved.

2225224 **NTIS Accession Number:** ADA397522/XAB

Highlights of GAO's Conference on Options to Enhance Mail Security and Postal Operations

Burton, D. ; Waxman, H. A.

General Accounting Office, Washington, DC.

Corporate Source Codes: 010682000; 395537

Report Number: GAO-02-315SP

20 Dec 2001 16p

Language: English

Journal Announcement: USGRDR0209

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NTIS Prices: PC A03/MF A01

Descriptors: *Message processing; *Postal service; *Public safety; Delivery; Nations; Detectors; Risk; Threats; Security; Explosives; Boxes; Consistency; Costs; Platforms; Standards; Trade off analysis; Collection; Streams; Bar codes; **Postage meters**; Infrastructure

Identifiers:

Dialog eLink: [Check for PDF Download Availability and Purchase](#)

19/3,K/3 (Item 2 from file: 6)

DIALOG(R)File 6: NTIS

(c) 2009 NTIS, Intl Cpyrghrt All Rights Res. All rights reserved.

1982268 **NTIS Accession Number:** AD-A314 059/7

Cryptographic Postage Indicia

Tygar, J. D. ; Yee, B. ; Heintze, N.

Carnegie-Mellon Univ., Pittsburgh, PA. School of Computer Science.

Corporate Source Codes: 005343049; 423887

Report Number: CMU-CS-96-113

Jan 96 15p

Language: English

Journal Announcement: GRAI9703

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

Cryptographic Postage Indicia

Descriptors: *Cryptography; *Postal service; *Postage meters ; Scanning; Integrated systems; Strategy; Security; Forging; Protection; Signatures; Trade off analysis; Crimes; Bar codes

Identifiers:

Dialog eLink:

USPTO Full Text Retrieval Options

19/3,K/4 (Item 1 from file: 2)

DIALOG(R)File 2: INSPEC

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08082988

Title: Cryptographic postage stamping

Author(s): Kruger-Gebhard, H.

Author Affiliation: Rohde & Schwarz, Munchen, Germany
Journal: ComTec , vol.79 , no.9 , pp.38-40
Publisher: Swisscom AG
Country of Publication: Switzerland
Publication Date: 2001
ISSN: 1420-3715
SICI: 1420-3715(2001)79:9L:38:CPS;1-Z
CODEN: COMTF6
Language: English
Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)
INSPEC Update Issue: 2001-044
Copyright: 2001, IEE
Identifiers: public key **cryptography**; strong authentication; digital information; **indiciu** forging; **postage meter** abuse; electronic signatures; **cryptographic** postage stamping

19/3,K/5 (Item 2 from file: 2)
DIALOG(R)File 2: INSPEC
(c) 2009 The IET. All rights reserved.

07919233

Title: Secure PC-franking for everyone
Author(s): Bleumer, G.
Author Affiliation: Francotyp-Postalia, Birkenwerder, Germany
Book Title: Electronic Commerce and Web Technologies. First International Conference, EC-Web 2000. Proceedings (Lecture Notes in Computer Science Vol.1875)
Inclusive Page Numbers: 94-109
Publisher: Springer-Verlag, Berlin
Country of Publication: Germany
Publication Date: 2000
Conference Title: Electronic Commerce and Web Technologies. First International Conference, EC-Web 2000
Conference Date: 4-6 Sept. 2000
Conference Location: London, UK
Editor(s): Bauknecht, K.; Madria, S.K.; Pernul, G.
ISBN: 3 540 67981 2
Number of Pages: xii+488
Language: English
Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)
INSPEC Update Issue: 2001-018
Copyright: 2001, IEE
Identifiers: PC franking systems; postage value; envelopes; mailing labels; desktop printers; IBIP program; postal services; 2D bar **codes**; mail delivery system; tamper responsive **postal security device**; data privacy; indicia; offline electronic cash; elliptic curves; blind signature

19/3,K/6 (Item 3 from file: 2)
DIALOG(R)File 2: INSPEC
(c) 2009 The IET. All rights reserved.

07275481

Title: Atomicity versus anonymity: distributed transactions for electronic commerce

Author(s): Tygar, J.D.

Author Affiliation: Dept. of Comput. Sci., Carnegie Mellon Univ., Pittsburgh, PA, USA

Book Title: Proceedings of the Twenty-Fourth International Conference on Very-Large Databases

Inclusive Page Numbers: 1-12

Publisher: Morgan Kaufmann Publishers Inc, San Francisco, CA

Country of Publication: USA

Publication Date: 1998

Conference Title: Proceedings of 24th Annual International Conference on Very Large Data Bases (VLDB'98)

Conference Date: 24-27 Aug. 1998

Conference Location: New York, NY, USA

Conference Sponsor: Oracle AT&T Lab. IBM Informix Microsoft

Editor(s): Gupta, A.; Shmueli, O.; Widom, J.

ISBN: 1 55860 566 5

Number of Pages: xvii+708

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1999-024

Copyright: 1999, IEE

Abstract: ...I discuss the application of these ideas to two systems I have helped design and build: NetBill (a system for highly atomic micro-transactions) and **Cryptographic Postage Indicia** (a system for generating postage on laser printers attached to PCs or other devices.) I discuss the difficulties in integrating atomic, anonymous payment systems and...

Identifiers: atomicity; anonymity; distributed transactions; electronic commerce; electronic transactions; NetBill; atomic micro-transactions; **Cryptographic Postage Indicia**; laser printers; personal computers; anonymous payment systems; anonymous auctions

19/3,K/7 (Item 4 from file: 2)
DIALOG(R)File 2: INSPEC
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06637714

Title: Reading encrypted postal indicia

Author(s): Cullen, M.; Pintsov, L.; Romansky, B.

Author Affiliation: Pitney Bowes Inc., Shelton, CT, USA

Book Title: Proceedings of the Third International Conference on Document Analysis and Recognition

Inclusive Page Numbers: 1018-23 vol.2

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA

Country of Publication: USA

Publication Date: 1995

Conference Title: Proceedings of 3rd International Conference on Document Analysis and Recognition

Conference Date: 14-16 Aug. 1995

Conference Location: Montreal, Que., Canada

Conference Sponsor: IAPR TC-11, TC-10 Canadian Image Process. & Pattern Recognition Soc. Centre for Pattern Recognition & Machine Intelligence IEEE, Sect. Montreal Lab. Scribens Int. Graphonomics Soc. Centre de res. inf. Montreal Inst. Robotics & Intelligence Syst

ISBN: 0 8186 7128 9

U.S. Copyright Clearance Center Code: 0 8186 7128 9/95/\$4.00

Item Identifier (DOI): [10.1109/ICDAR.1995.602075](https://doi.org/10.1109/ICDAR.1995.602075)

Part: vol.2

Number of Pages: 2 vol. xxvi+1188

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1997-028

Copyright: 1997, IEE

Title: Reading encrypted postal indicia

Abstract: ...digital printing technologies necessitates the encryption of revenue block information. This paper presents an approach for the verification process which includes algorithms for reading an encrypted postal indicia. In particular, postal indicia reading is tested for robustness against a variety of printing and media characteristics, and potential defects

Identifiers: encrypted postal indicia reading; postal revenue block; postal fraud; digital printing technologies; encryption; revenue block information; verification process; robustness

Dialog eLink:

USPTO Full Text Retrieval Options

19/3,K/8 (Item 5 from file: 2)

DIALOG(R)File 2: INSPEC

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03958727

Title: New technology improves mailroom equipment's productivity

Journal: Bank Systems & Equipment , vol.24 , no.4 , pp.76-7

Country of Publication: USA

Publication Date: April 1987

ISSN: 0146-0900

CODEN: BSEQD6

Language: English

Subfile(s): D (Information Technology for Business); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1987-019

Copyright: 1987, IEE

Abstract: ...of the latest mailroom products use electronic technology to perform traditional tasks with new-found speed and accuracy. This product review includes electronic scales and postage meters, mail

encoders, envelope openers and label fixers. A brief description of each product is followed by a reader service number for further information

Identifiers: mailroom products; scales; **postage meters**; **encoders**; envelope openers; label fixers

Dialog eLink: **USPTO Full Text Retrieval Options**

19/3,K/9 (Item 6 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 The IET. All rights reserved.

03386452

Title: Electronic system speeds insurance company's mail

Author(s): Hall, S.

Author Affiliation: Nationwide Insurance Co., Raleigh, NC, USA

Journal: The Office , vol.98 , no.6 , pp.94, 96

Country of Publication: USA

Publication Date: Dec. 1983

ISSN: 0030-0128

CODEN: OFISAD

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1985-005

Copyright: 1985, IEE

Abstract: ...split shifts, specific envelopes and frequent mailings, and acquisition of a second mail inserting machine and Parcelmatic electronic weighting system. Nationwide's mailing system calculates **postage** and prepares, **meter** tape for field agents' mail, **coded** by area and then grouped in packets to further reduce costs

Dialog eLink: **USPTO Full Text Retrieval Options**

19/3,K/10 (Item 7 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 The IET. All rights reserved.

02906596

Title: What electronics can do for corporate mailrooms

Author(s): Vojta, Z.

Author Affiliation: Office Operations, Ciba-Geigy Corp., Ardsley, NY, USA

Journal: The Office , vol.95 , no.1 , pp.105,184

Country of Publication: USA

Publication Date: Jan. 1982

ISSN: 0030-0128

CODEN: OFISAD

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1982-009

Copyright: 1982, IEE

Abstract: ...for any business. This article reviews some of this equipment and what it can do for the mailroom. It covers electronic scales, folders and inserters, **postage meters**, addressing, labelling, bar code and OCR, automatic mail carts

Identifiers: electronics; corporate mailrooms; business; electronic scales; folders ; inserters; **postage meters**; addressing; labelling; bar code; OCR; automatic mail carts

Dialog eLink: **USPTO Full Text Retrieval Options**

19/3,K/11 (Item 8 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 The IET. All rights reserved.

01227981

Title: Photoelectronic address code recognition by means of the 'Coditron'

Author(s): Blaser, R.; Heinze, L.

Journal: Technische Mitteilungen AEG-Telefunken , vol.60 , no.3 , pp.151-3

Country of Publication: West Germany

Publication Date: 1970

ISSN: 0040-1447

CODEN: TMTATBD

Language: German

Subfile(s): B (Electrical & Electronic Engineering); C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 1971-003

Copyright: 1971, IEE

Descriptors: codes; digital communication systems; electric sensing devices; pattern recognition; photodetectors; postal services

Dialog eLink: **USPTO Full Text Retrieval Options**

19/3,K/12 (Item 1 from file: 99)

DIALOG(R)File 99: Wilson Appl. Sci & Tech Abs

(c) 2009 The HW Wilson Co. All rights reserved.

2358301 **H.W. Wilson Record Number:** BAST01068035

API-level attacks on embedded systems

Bond, Mike ; Anderson, Ross

Computer v. 34 no10 (Oct. 2001) p. 67-75

Document Type: Feature Article **ISSN:** 0018-9162

Abstract: ...control, billing, and metering among devices with intermittent or restricted online

connectivity. The more obvious examples include smart cards, microcontrollers used as value counters in **postal meters** and vending machines, and **cryptographic** processors used in networks of automatic teller machines and point-of-sale equipment to encipher customers' personal identification numbers. Recently, a whole new family of...

Descriptors:

19/3,K/13 (Item 1 from file: 474)
DIALOG(R)File 474: New York Times Abs
(c) 2009 The New York Times. All rights reserved.

08275505 **NYT Sequence Number:** 822787050904

WHY THE INTERNET ISN'T THE DEATH OF THE POST OFFICE

Fallows, James
New York Times , Col. 1 , Pg. 5 , Sec. 3
Sunday September 4 2005

Descriptors: Postal Service; Computers and the Internet; Scanning **Devices;** Bar Codes; **Postal Service**
Personal Names:

19/3,K/14 (Item 2 from file: 474)
DIALOG(R)File 474: New York Times Abs
(c) 2009 The New York Times. All rights reserved.

06265724 **NYT Sequence Number:** 838420920308

SPOTTING THE POSTAL BAR CODE

New York Times , Col. 1 , Pg. 9 , Sec. 3
Sunday March 8 1992

Descriptors: **POSTAL SERVICE;** **SCANNING DEVICES;** **BAR CODES**
Personal Names:

19/3,K/15 (Item 3 from file: 474)
DIALOG(R)File 474: New York Times Abs
(c) 2009 The New York Times. All rights reserved.

00611799 **NYT Sequence Number:** 074144750720

(Arthur J Morgan Jr proposes US Postal Service automate zip-code scanning and standardize envelope sizes in order to speed mail.)

MORGAN, ARTHUR J
New York Times , Col. 4 , Pg. 13 , Sec. 3
Sunday July 20 1975

Descriptors: **OPTICAL SCANNERS (CHARACTER RECOGNITION DEVICES);** **POSTAL SERVICE;** **STANDARDS AND STANDARDIZATION;** **ZIP CODE**
Personal Names:

22/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2: INSPEC
(c) 2009 The IET. All rights reserved.

07919233

Title: Secure PC-franking for everyone

Author(s): Bleumer, G.

Author Affiliation: Francotyp-Postalia, Birkenwerder, Germany

Book Title: Electronic Commerce and Web Technologies. First International Conference, EC-Web 2000. Proceedings (Lecture Notes in Computer Science Vol.1875)

Inclusive Page Numbers: 94-109

Publisher: Springer-Verlag, Berlin

Country of Publication: Germany

Publication Date: 2000

Conference Title: Electronic Commerce and Web Technologies. First International Conference, EC-Web 2000

Conference Date: 4-6 Sept. 2000

Conference Location: London, UK

Editor(s): Bauknecht, K.; Madria, S.K.; Pernul, G.

ISBN: 3 540 67981 2

Number of Pages: xii+488

Language: English

Subfile(s): C (Computing & Control Engineering); E (Mechanical & Production Engineering)

INSPEC Update Issue: 2001-018

Copyright: 2001, IEE

Author(s): Bleumer, G.

Identifiers: PC franking systems; postage value; envelopes; mailing labels; desktop printers; IBIP program; postal services; 2D bar codes; mail delivery system; tamper responsive postal security device; data privacy; indicia; offline electronic cash; elliptic curves; blind signature

[Insert]

V. Text Search Results from Dialog

A. Full-Text Databases

File 9:Business & Industry(R) Jul/1994-2009/Jun 06
(c) 2009 Gale/Cengage

File 16:Gale Group PROMT(R) 1990-2009/May 15
(c) 2009 Gale/Cengage

File 20:Dialog Global Reporter 1997-2009/Jun 08
(c) 2009 Dialog

File 15:ABI/Inform(R) 1971-2009/Jun 06
(c) 2009 ProQuest Info&Learning

File 148:Gale Group Trade & Industry DB 1976-2009/May 22
(c) 2009 Gale/Cengage

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2009/May 11
(c) 2009 Gale/Cengage

File 610:Business Wire 1999-2009/Jun 06
(c) 2009 Business Wire.

File 613:PR Newswire 1999-2009/Jun 08
(c) 2009 PR Newswire Association Inc

File 621:Gale Group New Prod.Annou.(R) 1985-2009/May 01
(c) 2009 Gale/Cengage

File 636:Gale Group Newsletter DB(TM) 1987-2009/May 15
(c) 2009 Gale/Cengage

File 624:McGraw-Hill Publications 1985-2009/Jun 08
(c) 2009 McGraw-Hill Co. Inc

File 634:San Jose Mercury Jun 1985-2009/Jun 05
(c) 2009 San Jose Mercury News

File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

File 88:Gale Group Business A.R.T.S. 1976-2009/Jun 05
(c) 2009 Gale/Cengage

File 647:UBM Computer Fulltext 1988-2009/May W5
(c) 2009 UBM, LLC

File 674:Computer News Fulltext 1989-2006/Sep W1
(c) 2006 IDG Communications

File 696:DIALOG Telecom. Newsletters 1995-2009/Jun 05
(c) 2009 Dialog

File 369:New Scientist 1994-2009/May W4
(c) 2009 Reed Business Information Ltd.

File 484:Periodical Abs Plustext 1986-2009/May W5
(c) 2009 ProQuest

File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS

File 553:Wilson Bus. Abs. 1982-2009/Jun
(c) 2009 The HW Wilson Co

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Set	Items	Description
S1	962	(FRANKING OR FRANKS)(5N)(MACHINE? ? OR DEVICE? ? OR APPARATUS OR IMPRINT? ?)
S2	76	(POSTAL)(SECURITY)(3N)(DEVICE? ? OR APPARATUS OR MACHINE? ? OR METER? ? OR METRE? ?)
S3	7146	(POSTAGE OR POSTAL)(3N)(METER? ? OR METRE? ? OR DEVICE OR - DEVICES OR INDICIA OR INDICIUM OR FRANK???)
S4	51	(S1:S3)(5N)(CRYPTO? OR ENCRYPT?)
S5	148	(S1:S3)(5N)(ENCOD? OR CODE? ? OR CODING?)
S6	87872	(ELECTRONIC OR DIGITAL OR DIGIT???) (SIGNATURE? ?)
S7	1035974	SIGNATURE OR SIGNATURES
S8	19573	(S6:S7)(5N)(FIRST OR 1ST OR PRIMARY)
S9	5292	(S6:S7)(5N)(SECOND OR SECONDARY OR 2ND)
S10	23680	(S6:S7)(5N)(MULTI OR PLURAL? OR MANY OR SEVERAL OR MULTIPLE OR NUMEROUS)
S11	2485	DIFFERENT()ALGORITHM? ?
S12	5395	DIFFERENT() (FORMULA??? OR NUMERIC? ? OR NUMERAL? ? OR ALGEBRA OR LOGIC)
S13	63	(S11:S12)(5N)(CREATE OR CREATES OR CREATING)
S14	2	(S11:S12)(5N)CONFIGUR????
S15	0	AU=(BLEUMER, G? OR BLEUMER G? OR GERRIT(2N)BLEUMER)
S16	199	\$4:\$5
S17	0	\$16(S)(S8:S10)
S18	0	\$16(S)(S13:S14)
S19	7	\$16(S)\$7
S20	0	\$19(S)ALGORITHM? ?
S21	5	RD \$19 (unique items)
S22	0	\$16(S)ALGORITHM? ?

?

21/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16: Gale Group PROMT(R)
(c) 2009 Gale/Cengage. All rights reserved.

07021623 **Supplier Number:** 58499098 (USE FORMAT 7 FOR FULLTEXT)

Print Your Postage From Your PC.

Law Office Technology Review , v 8 , n 12-3 , p NA
Dec 22 , 1999

Language: English **Record Type:** Fulltext

Document Type: Newsletter ; Trade

Word Count: 1543

Supplier Number: (USE FORMAT 7 FOR FULLTEXT)

Text:

...each user with a virtual postage meter that can print a machine readable two dimensional bar code that incorporates, inter alia, the amount of the **postage**, mailing date, sender "**meter**" number, and the zip **code** of the sender and recipient and a unique (and presumably trackable) digital **signature**. The indicium can be printed with an ordinary ink jet or laser printer. USPS regulations require that a recipient address be printed at the same...

21/3,K/2 (Item 1 from file: 15)
DIALOG(R)File 15: ABI/Inform(R)
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06213772 34754091
Cylink builds PKI for USPS secure postage

O'Hara, Colleen
Federal Computer Week v12n28 pp: 54, 60
Aug 17, 1998
ISSN: 0893-052X **Journal Code:** FCWK
Word Count: 599

Text:

...Internet Postage software, which was announced in April, actually generate the stamp that is printed on an envelope. The stamp includes a 2-D bar **code**, called an information-based **indicia**, which contains the **postage**, a date stamp, destination and tracking data, and a digital **signature** that makes the indicia difficult to counterfeit.

The PKI developed by Cylink for the IBIP program will use digital signatures to authenticate the postage device...

21/3,K/3 (Item 2 from file: 15)
DIALOG(R)File 15: ABI/Inform(R)
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06178934 28519520
USPS unveils first online postage software, more to come

O'Hara, Colleen
Federal Computer Week v12n9 pp: 24
Apr 6, 1998
ISSN: 0893-052X **Journal Code:** FCWK

Word Count: 505

Text:

...introduced by USPS in more than 78 years.

The E-Stamp software prints a SmartStamp on an envelope. The stamp includes a 2-D bar **code**, called an information-based **indicia**, which contains the **postage**, a date stamp, destination and tracking information and a digital **signature**, which makes the indicia difficult to counterfeit. The company wants to launch the product later this year.

Eventually about 500 users in different locations will...

21/3,K/4 (Item 3 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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06115259 42122571

USPS approves e-postage products

Anonymous

Federal Computer Week v13n17 pp: 43

May 31, 1999

ISSN: 0893-052X **Journal Code:** FCWK

Word Count: 69

Text:

...of beta testing. Once the products are commercially available, they will enable users to print postage from PCs. The software prints a 2-D bar **code**, called an information-based **indicia**, which contains the **postage**, a date stamp, destination and tracking information, and a digital **signature**, making the indicia difficult to counterfeit.

21/3,K/5 (Item 4 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01816377 04-67368

Building a call center: A business model

Wright, Suzanne

Credit Union Executive v39n3 pp: 4-11

May/June 1999

ISSN: 1053-6744 **Journal Code:** CUE

Word Count: 2241

Text:

...dot matrix, laser, document, receipt, and check printers;
imaging/optical retrieval equipment; binding equipment; photocopier;
typewriter; microfiche/film viewer/printer; in/out mailboxes; fax machine;
signature encoder/viewer; and postage meter.

Worker amenities. Consider providing employees with a break room, kitchen, or cafeteria equipped with sink, water dispenser, refrigerator, microwave, stove, toaster, and vending machines. Plants...

VI. Additional Resources Searched

EBSCO HOST

0 results